Uniclass L7522	EPIC L22
CI/SfB (56.14)	

Creda

Product Directory

www.creda-heating.co.uk

Storage and Panel Heating

Towel Rails

Underfloor Heating

Commercial Heating

Domestic Heating

applied energy

Creda

a world player

Creda is dedicated to heating our homes and places of work. A market leader in the development of electric heating products, Creda has consistently been the first to bring new products and features to the market.

All Creda products are designed to meet today's lifestyle needs, so detailed attention has been given to style as well as efficiency and economy. Designed to comply with Part L and contributes to SAP.

Pioneers in electric heating, Creda continue to lead the field with innovative and stylish products, not just in the UK, but globally and distributed world-wide.

Products such as Credanet, a unique electronically controlled central heating system that is NHER recognised as a CELECT product. The RF electronic panel heaters, that feature non-wired radio frequency transmitter capability for exceptional control, and the Creda range of quality towel warmers, designed to provide a stylish focal point in the bathroom and satisfy the demand for supplementary heat.

Not only does Creda offer an unbeatable product range, but as part of Applied Energy Products Limited, home to Xpelair and Redring, it is backed by support services second to none. Our Specification team is trained to give pre-sales advice on product selection. For compliance to Part L, SAP ratings are NHER accredited.

For after sales support we have both an in-house team that can offer advice over the phone and a team of service engineers for carrying out repairs and maintenance on-site.

So for the peace of mind you get from quality products and superior support, there’s only one choice – Creda.

contents

section one

Storage and Panel Heating
Credanet Storage Fan Heaters · Credanet Combi Storage Heaters · Credanet CNT Panel Heaters · RF Electronic Panel Heaters · SFHA Sensair Automatic · TSR Superslim · TSR Sensor Plus · TSR Slimline · TSF Turbo Storage Fan Heater · TPR Panel Heaters

section two

Towel Rails
Solarail · TDC range · TDW · LRC range

section three

Underfloor Heating
Mats · Controllers

section four

Commercial Heating
Fan Heaters · Tubular Heaters ·
Radiant & Long Wave Ceramic Infra-Red Heaters

section five

Domestic Heating
Compact Downflow Heaters · Remote Control Plinth Heater · Integral Control Plinth Heater · Convectors

whycreda?

Heating fit for the energy conscious.

Creda have a range of controllable electric heating systems designed to reduce home energy consumption. Meeting current standards of energy efficiency as outlined in the Housing Energy Efficiency Best Practice Programme and the Decent Homes Standard. They also comply with the control requirements for storage heating in Part L of the Building Regulations.

Part L1 Building Regulations. (dwellings)
Part J (Scotland)
Focused on reducing energy usage in dwellings. To comply, dwellings must be designed to keep heat in through better insulation and only use energy when and where it's needed through control systems. Part L also requires certified SAP and NHER ratings on all new homes.

Standard Assessment Procedure
The SAP energy rating is a measure of the heating and hot water yearly cost for a building and is expressed in a rating scale of 1 –120. The higher the figure, the more efficient the system. The rating takes into account a range of factors that contribute to energy efficiency such as thermal insulation, efficiency and control of the heating system, ventilation characteristics and solar gain characteristics and the fuel used for space and water heating.

National Home Energy Rating
Recognised as a comprehensive system for evaluating the energy efficiency of dwellings, the NHER rating is a measure of energy efficiency in terms of energy running costs. Calculated using a detailed model, it takes into account the location of the dwelling, it's design, construction, insulation, space and water heating systems, the appliances used and the factors which affect the ventilation of the dwelling. The result is a rating on a scale of 0-10 where 0 represents an extremely inefficient dwelling and 10 an extremely efficient dwelling.

Two new initiatives, The Housing Energy Efficiency Best Practice Programme (Good Practice Guide 345) and Decent Homes Standard have been designed to introduce energy efficiency measures in homes to the highest standards. These programmes deals with energy efficiency to help reduce fuel bills, tackle climate change and reduce fuel poverty.

All Creda products are designed to meet the current European directives for Low Voltage (Directive 73/23/EEC, 93/68/EEC) and EMC (Directive 89/336/EEC, 92/31/EEC, 93/68/EEC).

The right credentials

Safeguarding your reputation

As a contractor or installer your reputation depends on providing quality products, expert workmanship and trustworthy advice. Creda heating systems help you on all points.

Firstly, when you recommend, supply or fit a Creda product, you get the quality of design and manufacturing that helped establish our famous name. Secondly, all of our products are easy to work with for trouble free installation. And finally, by offering high performance products that won't let anyone down, you'll be delivering on your promises to customers.

Rest assured that if you're looking to safeguard your hard-earned reputation, no one has better credentials than Creda. Our application design team are NHER approved.

Greater quality. Greater choice.

Whether your brief is straightforward or highly specific, our track record at meeting the needs of domestic and commercial markets is second to none. Success stems from building efficiency, reliability and value for money into every product. We also strive to provide a wider range of heating appliances and accessories with these three key attributes. After all, with more quality options, you can meet more customers' needs.

New ideas and new solutions.

Creda resources are extensive, both in terms of development facilities and experience. Consequently, we offer the kind of innovative slim-line products that the marketplace demands. And on-going investment ensures that we are always developing the new solutions that will keep opening doors for you to new customers.

Your assurance of quality.

Creda build products to last and to perform. With a strictly adhered to quality control system (approved to ISO 9001:2000) you can be confident when choosing Creda. In addition to the reassurance provided by the Creda name, all products come with a fully inclusive one-year parts and labour guarantee.

Committed support.

Our aim is to develop a lasting relationship with you. That's why fully committed back-up support comes with every Creda product that you buy, supply or fit. Through a field-based support team, a free NHER approved design service or internal sales assistance, we are always on-hand to help you meet your customer needs.

An electric opportunity.

It's more economic than ever before. It's clean, safe and reliable. It's unrivalled for controllability. And, of course, it's so flexible. All in all, electricity offers the full range of benefits.

Excellent economy.

Electric heating products have the unique advantage of being 100% efficient. Highly competitive running costs are assured because electric heaters convert every single watt of electricity that's paid for into heat.

Complete control.

Different rooms with different functions often require different temperatures. Electric heating allows genuine room-by-room control. Heaters can work independently, as part of a mini-zone or in unison with all others in a home. As well as making the house more comfortable, this flexibility helps to minimise running costs.

Easy installation.

Installation of electric heating is very simple. It's easy to position individual heaters wherever a customer wants them. And as the installation causes minimal disruption, both installer and customer will benefit. What's more, your customer always has the option of adding to an electric system with very little fuss or inconvenience.

Low maintenance choice.

It doesn't generate exhaust fumes from a flue and it doesn't need costly annual maintenance to reassure customers that it's safe to continue its use.
What's more, electric systems have virtually no moving parts, which adds to the reliability.

Slim, stylish and elegant.

As technological know-how expands, electrical heaters contract. They just keep getting smaller and slimmer. The development of highly advanced and efficient insulating material with enhanced thermal properties means sleeker models continue to appear. Plus, as many are virtually maintenance free, ownership costs are also shrinking.

All things considered, it's got to be electric.

index

section one

Storage and Panel Heating

Credanet Storage Fan Heaters · Credanet Combi Storage Heaters · Credanet CNT Panel Heaters · RF Electronic Panel Heaters · SFHA Sensair Automatic · TSR Superslim · TSR Sensor Plus · TSR Slimline · TSF Turbo Storage Fan Heater · TPR Panel Heaters

Credanet Range: **Page 12-15**
CNT 18F, CNT 24F, CNT 12C, CNT 18C, CNT 24C, CNT 750P, CNT 1000P, CNT 1250P, CNT 1500P, CNT 2000P.

RF Range: **Page 16-17**
RF/E408, RF/E410, RF/E412, RF/E415, RF/E420, RF/E406S, RF/E410S, RF/E208, RF/E210, RF/E212, RF/E215.

SFHA Sensair Range: **Page 18-21**
SFH18AW, SFH24AW.

TSR Supaslim Combi Range: **Page 22-23**
TSR12CW, TSR18CW, TSR24CW TSR12ACW, TSR18ACW, TSR24ACW.

TSR Sensor Plus Range: **Page 24-25**
TSR6A, TSR12A, TSR18A, TSR24A.

TSR Slimline Range: **Page 26-27**
TSR6MW, TSR12MW, TSR18MW, TSR24MW.

TSF Turbo Range: **Page 28-29**
TSF24K, TSF32K, TSF42K.

TPR Panel Range: **Page 30-31**
TPR750W/750TW, TPR1000W/1000TW, TPR1250W/1250TW, TPR1500W/1500TW, TPR2000W/2000TW.

Accessories: **Page 32**
Storage Heater Shelves, TSR Towel Rails, TSR Guards.

section two

Towel Rails

Solarail · TDC range · TDW · LRC range

TDC Range: **Page 33-34**
TDC1, TDC2, TDC3.

TDW Range: **Page 33-34**
TDW2.

LRC Range: **Page 33-34**
LRC3, LRC5.

Solarail: **Page 35**
Solarail.

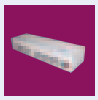
section three

Underfloor Heating
Mats and Controllers

Underfloor Heating **Page 36 - 37**

section four

Commercial Heating
Fan Heaters · Tubular Heaters ·
Radiant & Long Wave Ceramic Infra-Red Heaters


Sunflow: Fan Heaters **Page 38**

Sunfan: High Level Fan Heaters **Page 39**

Suntube: Tubular Heaters **Page 40**

Sunslim: Radiant Infra-red Heaters **Page 41**

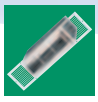
Sunquartz: Infra-red Heaters **Pages 42-43**

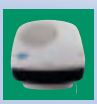
Ceramic: Long Wave Infra-red Heaters **Page 44**

section five

Domestic Heating
Compact Downflow Heaters · Remote Control Plinth Heater ·
Integral Control Plinth Heater · Convectors

Convector Heaters: **Page 45**

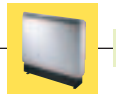
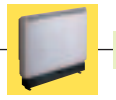
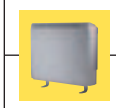
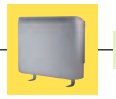

Plinth Heaters: Plinth Heaters **Page 46**


Compact Downflow Heaters: Compact Downflow Heaters. **Page 47**

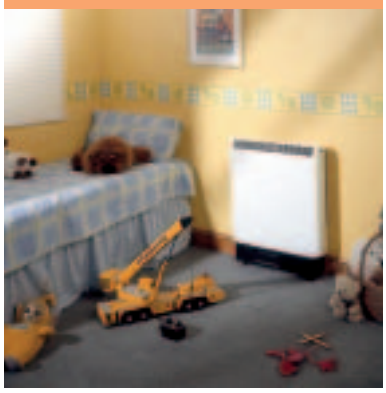
heatingselector

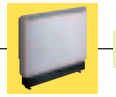
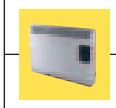
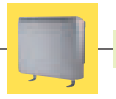
Creda heating products cover the widest range of applications, and offer a comprehensive choice of heat output and control. Selecting the best heater for any given room or combination of rooms will ensure the best and most economical heating solution. Our selector guide is designed to help you make that choice but if you still require assistance, you can also ring our technical helpline on +44 (0)1782 385779.

Dining Room

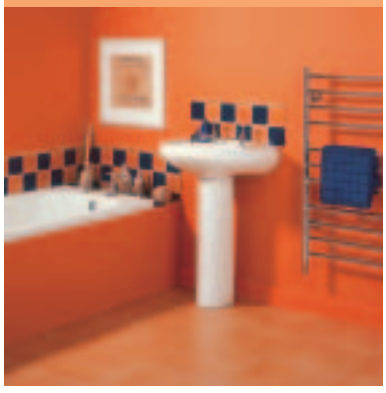
	SFHA Sensair	Pg 18-21
	TSR Supaslim Combi	Pg 22-23
	CNT Credanet Storage Fan	Pg 12-15
	CNT Credanet Combi Storage	Pg 14
	TSR Sensor Plus	Pg 24-25
	TSR Slimline	Pg 26-27

Bedroom



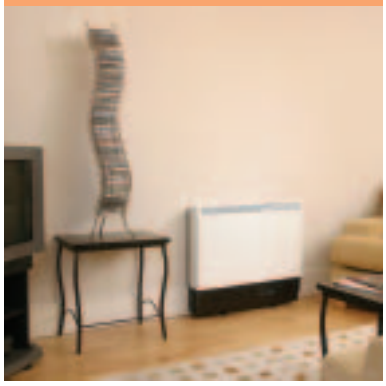
	TSR Supaslim Combi	Pg 22-23
	CNT Credanet Combi Storage	Pg 12-15
	TPR Panel Heater	Pg 30-31
	TSR Sensor Plus	Pg 24-25
	TSR Slimline	Pg 26-27
	CNT Panel Heater	Pg 15

Bathroom



	TSR Sensor Plus	Pg 24-25
	TPR Panel Heater	Pg 30-31
	Compact Downflow	Pg 47
	Towel Rail	Pg 33-35
	CNT Panel Heater	Pg 15

Living Room



SFHA Sensair	Pg 18-21	
TSR Supaslim Combi	Pg 22-23	
CNT Storage Fan	Pg 12-15	
TSR Sensor Plus	Pg 24-25	
TSR Slimline	Pg 26-27	

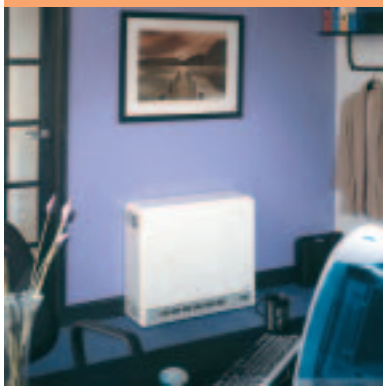
Kitchen

TSR Supaslim Combi	Pg 22-23	
CNT Credanet Combi Storage	Pg 14	
TPR Panel Heater	Pg 30-31	
Plinth Heater	Pg 46	
Compact Downflow	Pg 47	
CNT Panel Heater	Pg 15	

Hall

TSR Supaslim Combi	Pg 22-23	
CNT Storage Fan	Pg 14	
TPR Panel Heater	Pg 30-31	
TSR Sensor Plus	Pg 24-25	
TSR Slimline	Pg 26-27	

Commercial



RF Panel Heater	Pg 16-17	
CNT Credanet Panel	Pg 15	
Commercial Range	Pg 39-44	
TSF Storage Heater	Pg 29	

Introducing Credanet

Credanet – What is it?

Credanet is an advanced patented electric heating system with controllability that helps provide significant reductions in home energy consumption. Designed to meet current standards of energy efficiency as outlined in the Housing Energy Efficiency Best Practice Programme, Credanet automatically 'learns' to use the most efficient electricity tariff and typically saves the homeowner 15% over conventional electric storage heating.

It's the only centrally controlled electric storage system recognised within NHER/SAP calculations to provide energy savings under the generic name of "CELECT". Credanet automatically complies with the control requirements for storage heating in Part L on the Building Regulations.

Using a patented mains borne signalling system, it utilises the existing wiring to link a choice of stylish, simple-to-install heaters. The central controller intelligently divides the home into three independent heating zones, adjustable by both time and temperature. This means that Credanet gives better demand performance than gas by achieving and maintaining desired comfort levels faster and achieving real zone separation.

The result? The right heat, wherever and whenever it's wanted.

Independent tests show that Credanet is a more effective and responsive form of heating than gas.

Fingertip control

Credanet brings a new dimension in control to home heating. It's an advanced electric heating system that uses a central programmer to allow fingertip control over the heating. The home can be divided into three independently controllable heating zones, so the householder gets very user-friendly central heating that's easy to control and makes the most of clean, cheap and efficient electricity.

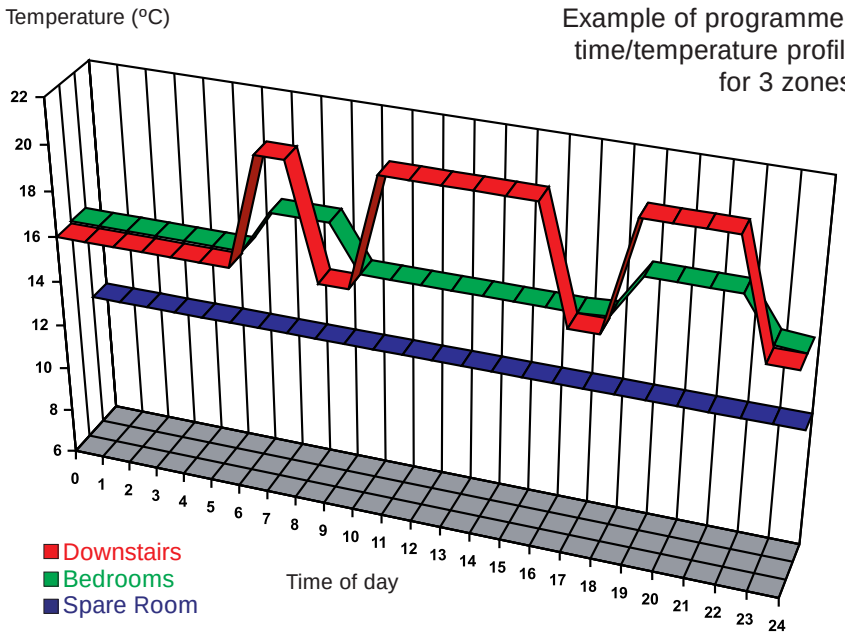
How does it work?

The Credanet central programmer, is the heart of the system. Essentially, it 'talks' to the heaters to allow the user much greater control over where, when and to what temperature the heat is provided, eliminating wasted heat and energy. The programmer uses mains borne signalling to communicate with a range of appliances – whether they are Creda SFH storage fan heaters, TSR storage combination heaters or TPR panel heaters.

Each of the heaters has integral factory-fitted transceivers, which are set during installation. The Credanet programmer then uses two-way signalling to allow a time and temperature profile to be controlled on individual heaters.

Works smarter to save money.

Credanet automatically 'learns' to use the most efficient electricity tariff to save the user money. It understands which tariff it is running on and will optimise economy tariffs for maximum efficiency. So whether controlling the generation of heat to be stored for later use or providing direct acting heat, the most economic option is always chosen. And as it works on virtually any tariff including fixed and variable period options, it offers greater flexibility. (For variable tariffs, special metering arrangements might be required – the Creda Technical Helpline can advise on 01782 385779.)



Example of programmed time/temperature profile for 3 zones.

Benefits of zoning.

Zoning allows for 3 independently controlled zones to be programmed adjustable by time and temperature. Most people want a warm bathroom first thing in the morning and a cosy living room in the evening but may like the bedrooms to be a couple of degrees cooler. With Credanet, the user can have exactly what is wanted.

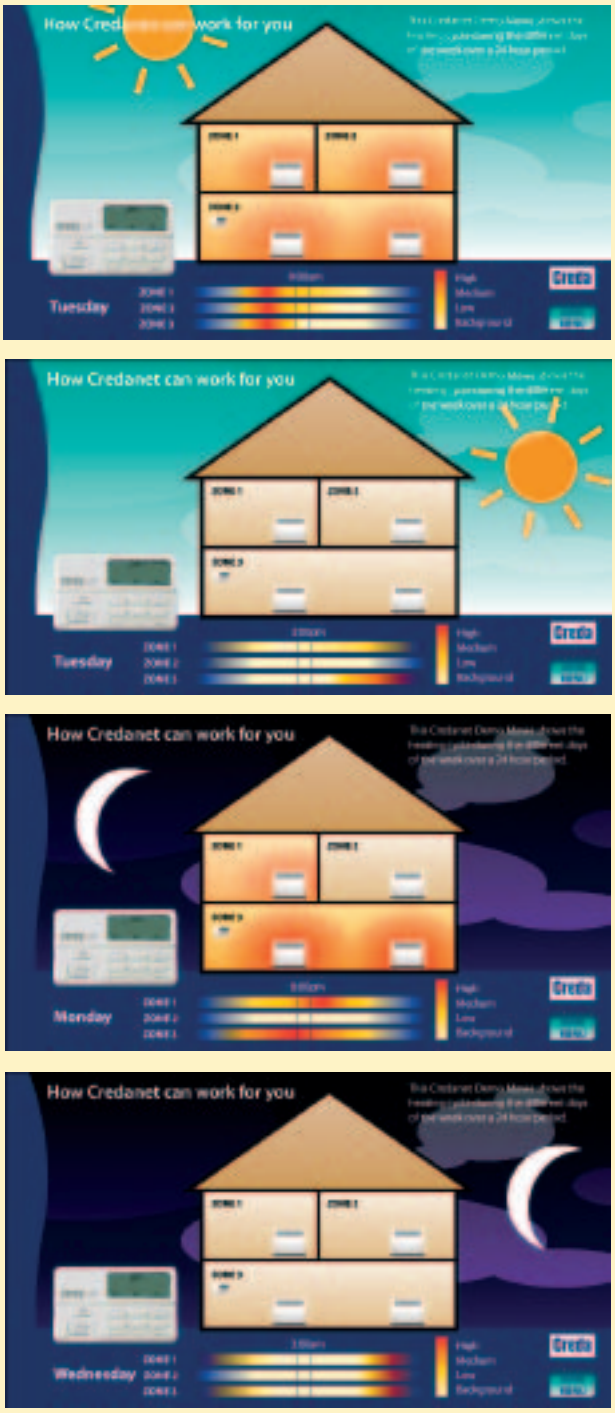
From the comfort of the central controller, the user can dictate the climate in the whole house. And, as heat in each zone is only provided according to need or preference, there can be significant energy savings.

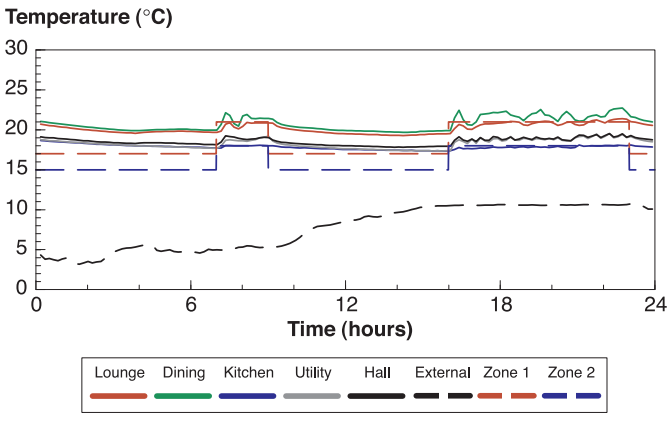
Easy installation.

As the system operates with mains borne signalling, no additional wiring is required, keeping installation costs to a minimum.

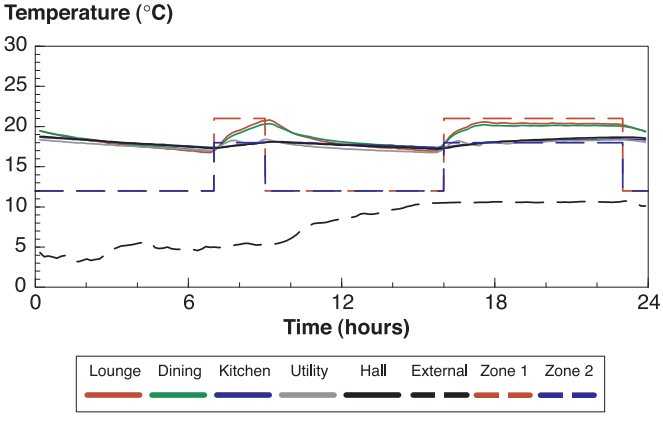
As well as being easy to fit, it helps achieve excellent NHER and SAP ratings, which is a major advantage for everyone.

For interactive Credanet demonstration please visit:
www.creda-heating.co.uk - click on interactive demo





Typical performance of a Credanet heating system



Typical performance of a gas heating system

Credanet

Centrally Controlled Heating

Designed to meet current standards of energy efficiency to reduce home energy consumption the Credanet controller can be used as 1, 2 or 3 zones, adjustable by both time and temperature. Credanet automatically 'learns' to use the most economic electricity tariff via mains-borne signalling, linking specially designed SFHA storage fan heaters, TSR storage combination heaters and TPR panel heaters.

Key Features:

- Unique three independently controlled channels adjustable by time and temperature.
- Up to three comfort heating periods can be programmed per zone in each 24 hour period.
- Different settings possible for each day of the week.
- Holiday function - up to 99 days.
- Instant temperature adjustment available for each zone.
- Localised boost facility on each heater.
- Compact, neat and easy to use central programmer.
- Operates on virtually all tariffs including fixed and variable period tariffs.
- Can have up to 7 heaters per zone.
- Newera styling - slimmer profiles, softer contours and a fresher colour.
- Controller uses mains borne two-way signalling to control time and temperature on individual heaters.
- Credanet heaters have an integral, factory fitted transceiver which is set on installation.
- Can help to achieve better NHER and SAP ratings - a major benefit for everyone
- Compatible with European Home Automation Signalling Standards allowing data exchange to maximise economy.
- For some variable tariffs additional components will be required from the electricity supplier. (Refer to our application design department)

"9 simple steps to profile the system"

Credanet

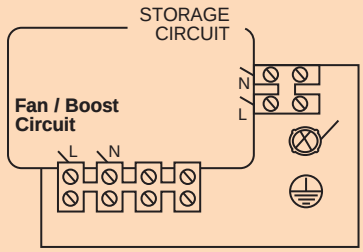
Storage Fan Heaters
CNT 18F
CNT 24F

BEAB Approved CE

Designed to store heat more effectively and only supply heat on demand, these Credanet storage fan heaters are the most economical in their class and achieve excellent NHER ratings.

Wiring:

CNT18F, CNT24F

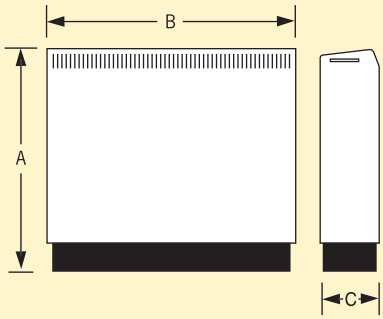


Features & Benefits:

- Economical storage heating with controlled, highly responsive output via a whisper quiet fan system.
- Slimmest storage fan heater available - only 187mm deep.
- Boost feature.
- Automatically regulates heat storage and comfort levels via central controller.
- High levels of insulation - more effective at retaining stored heat than a conventional storage heater.
- Fanned heat output avoids heat stratification.
- Negative pressure air movement through the storage core avoids hotspots and heat leakage.
- Incorporates direct acting element for instant “out of season” heating.

Dimensions:

STORAGE FAN HEATERS



A Height	**All models**	705mm
B Width	**CNT 18F**	788mm
	CNT 24F	1016mm
C Depth	**All models**	187mm

Specification:

Product Reference	Catalogue Number	Rating Storage	Direct Acting	Charge Acceptance (7Hrs)	Net Storage	Weight	Number of Elements	Number of Core Bricks
CNT18F	70309	2.5 kW	1.5 kW	17.6 kWh	14.9 kWh	121kg	3	12
CNT24F	70319	3.4 kW	1.5 kW	23.5 kWh	20.0 kWh	158kg	4	16
Controller	79321	-	-	-	-	-	-	-

• Insulation - Opacified silicaceous aerogel and mineral fibre mat • Storage Core - High density iron oxide compound • Storage Elements - Mineral insulated stainless steel sheathed • Fan Unit - Crossflow • Safety - Two level thermal safety overheat protection • Supply - 230/240V AC single phase

Credanet

Combi Storage Heaters CNT 12C CNT 18C CNT 24C

BEAB Approved CE

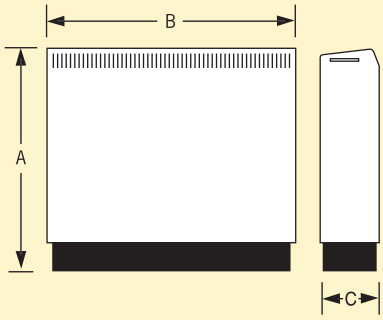
Highly efficient combination storage heaters with a fast response, thermostatically controlled, fan heater that operates independently from the storage heater. Ideal for living areas that might need a boost of heat on demand.

Key Features:

- Provides a unique combination of storage heating and 'Warmflow' (Direct) fan heating.
- 'Warmflow' fan heater is more responsive and more efficient at maintaining desired room temperature.
- Avoids heat stratification, giving more even heat throughout the room.
- Quiet running fan.
- Boost feature.
- Heat storage and comfort levels automatically regulated via Credanet controller.
- Heat loads can be set to full or half level on installation to suit application.

Dimensions:

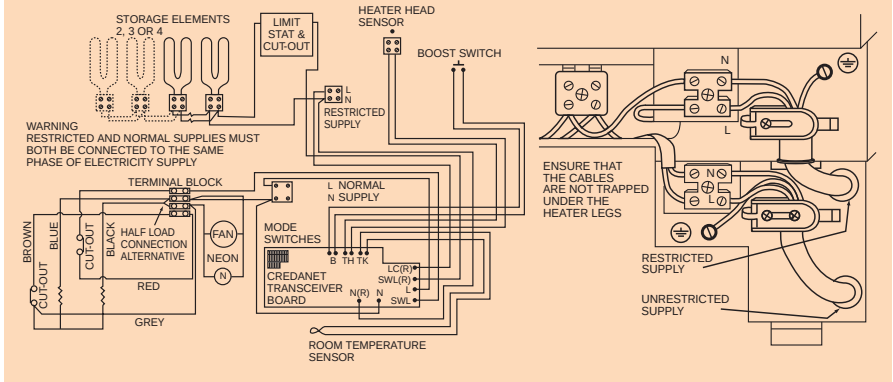
COMBI STORAGE HEATERS



A Height	**All models**	760mm
B Width	**CNT 12C**	560mm
	CNT 18C	788mm
	CNT 24C	1016mm
C Depth	**All models**	170mm

Wiring:

CNT 12C, CNT 18C, CNT24C



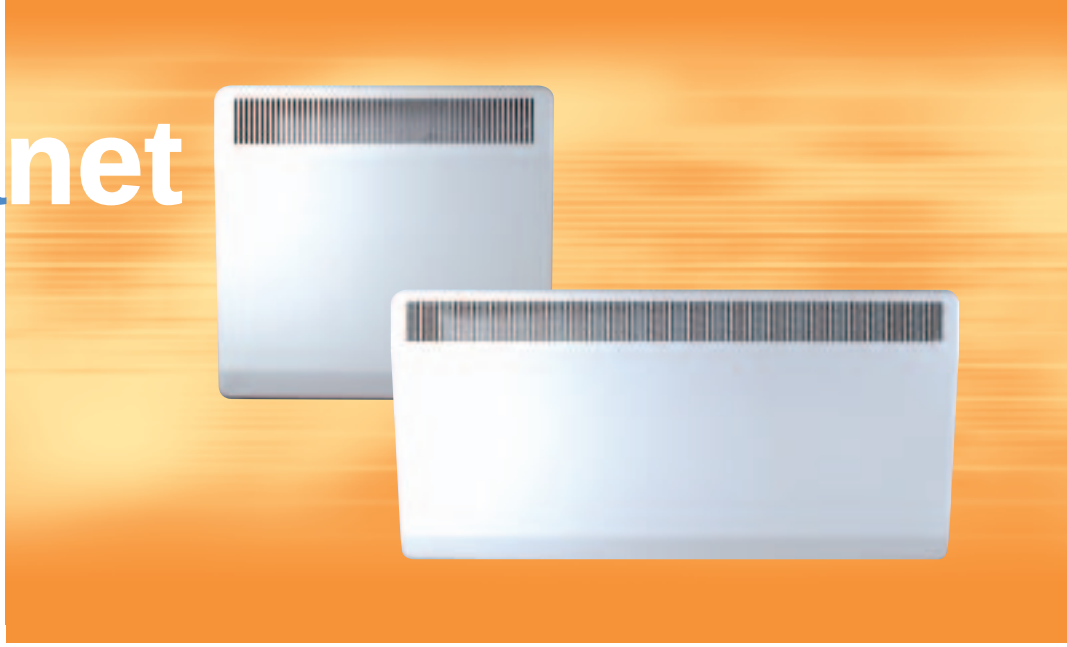
Specification:

Product Reference	Catalogue Number	Rating Storage	Rating Fan	Charge Acceptance (7Hrs)	Charge Acceptance (8Hrs)	Weight	Number of Elements	Number of Core Bricks
CNT12C	79349	1.7 kW	1.0/0.5 kW	11.8 kWh	12.6 kWh	78kg	3	8
CNT18C	79359	2.5 kW	1.5/0.75 kW	17.6 kWh	18.5 kWh	114kg	4	12
CNT24C	79369	3.4 kW	2.0/1.0 kW	23.5 kWh	25.0 kWh	149kg	5	16

• Insulation - Opacified silicaceous aerogel and mineral fibre mat • Storage Core - High density iron oxide compound • Storage Elements - Mineral insulated stainless steel sheathed
• Safety - Two level thermal safety overheat protection • Supply - 230/240V AC single phase

Credanet

Panel Heaters
CNT 750P
CNT 1000P
CNT 1250P
CNT 1500P
CNT 2000P



BEAB Approved CE

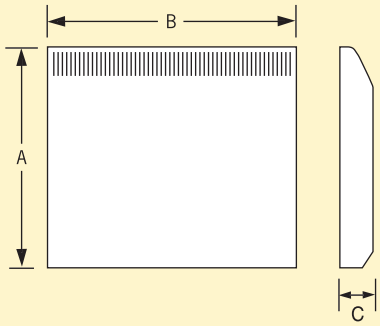
Designed to provide controllable convected heat for smaller rooms, these heaters are suitable for bedrooms and IPX4 rated making them ideal for bathrooms.

Features & Benefits:

- Compact design.
- Boost feature will provide comfort levels whenever required.
- All models are splashproof and suitable for installation in Zone 1 & 2 in areas such as bathrooms.
- Wide range of power outputs - 750W to 2000W.
- Comfort levels are automatically controlled via the Credanet system.
- Features a detachable, hinged wall mounting frame for ease of installation and cleaning.

Dimensions:

PANEL HEATERS



A Height	**All models**	420mm
B Width	**CNT 750P**	444mm
	CNT 1000P	614mm
	CNT 1250P	614mm
	CNT 1500P	682mm
	CNT 2000P	852mm
C Depth	**All models**	93mm

Specification:

Product Reference	Catalogue Number	Rating Storage
CNT750P	85361	750W
CNT1000P	85362	1000W
CNT1250P	85363	1250W
CNT1500P	85364	1500W
CNT2000P	85365	2000W

- Elements - Finned, metal sheathed mineral filled type
- Supply - 230/240V AC single phase

RFrange

Non-wired Control Solutions

BEAB Approved CE

An innovative range of electronic panel heaters which offer non-wired radio frequency control, suitable for the domestic and commercial market.

Digital Electronic Thermostat:

- Integral drift compensation to maintain a stable room temperature.
- Double pole on/off switch and overheat protection.
- LED display when element is energised.

Creda Saver:

- Plug in pre-programmed cartridge with15 pre-set programmes.
- Comfort mode thermostat on heater.
- Economy mode thermostat on Creda Saver.

Creda Zone Receiver:

- Plug-in receiver for heaters, to enable control via Creda Zone 1 or 4 controller.
- Integral thermostat for back-up.
- Automatic start up when communication is restored.
- 433 MHZ operating band.

Creda Zone 1 & 4:

- Controls single or multiple heaters within 1 to 4 zones.
- Time and temperature adjustment 24 hours a day, 7 days a week.
- Frost protection setting (5-15°C).
- Fall back temperature (5-30°C).
- Comfort temperature setting (5-30°C).
- Individual zone & measured zone temperature LED display.
- Battery operated.
- Can be wall mounted or freestanding.

RFrange

Electronic Panel Heaters

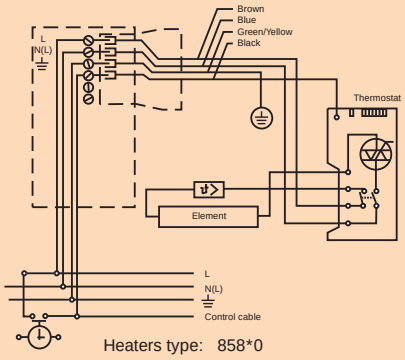
BEAB Approved CE

Key Features:

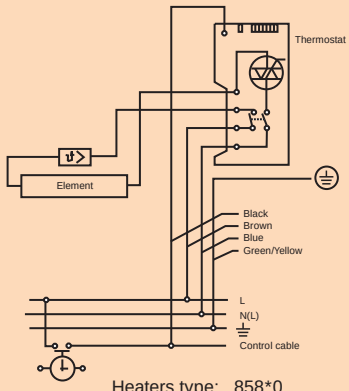
- Local or central control meets Building Regulations Part L.
- Digital electronic thermostat with drift compensation for accurate room temperature control.
- RF/E406S, RF/E410S Splash proof to IPC24C - for safe use in bathrooms.
- Total flexibility in controllers with a non-wired solution for easy installation.

Wiring:

RF RANGE



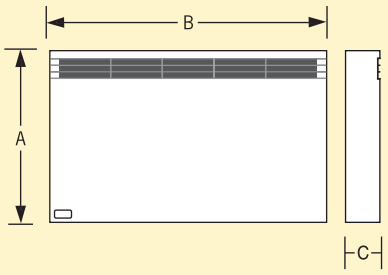
Heaters type: 858*0



Heaters type: 858*0
855*0

Dimensions:

RF HEATERS



Model	A Height	B Width
RF/E408	400mm	645mm
RF/E410	400mm	735mm
RF/E412	400mm	915mm
RF/E415	400mm	1095mm
RF/E420	400mm	1365mm
RF/E406S	400mm	555mm
RF/E410S	400mm	735mm
RF/E208	200mm	1095mm
RF/E210	200mm	1275mm
RF/E212	200mm	1545mm
RF/E215	200mm	1725mm

C Depth across the range is 80mm

Specification:

Product Reference	Catalogue Number	Rating
RF/E408	85510	800W
RF/E410	85520	1000W
RF/E412	85530	1200W
RF/E415	85540	1500W
RF/E420	85550	2000W
RF/E406S	85820	600W

Product Reference	Catalogue Number	Rating
RF/E410S	85840	1000W
RF/E208	85610	800W
RF/E210	85620	1000W
RF/E212	85630	1200W
RF/E215	85640	1500W

Accessories:

Product Reference	Catalogue Number
Creda Zone 4 RF Controller	85710
Plug-in Receiver	85711
Plug-in Creda Saver	85712
Cover for Controls	85713
Creda Zone 1 RF Controller	85715

• Elements - Finned, metal sheathed mineral filled type • Protection - Two level thermal safety overheat protection • Supply - 230/240V AC single phase

Introducing SFHA Sensair

- The SFHA Sensair provides the ultimate combination of:
- Electric storage fan heating economy
- Direct acting heat flexibility
- Fanned heat output responsiveness
- Simple control
- Heat storage control on the Sensair is fully automatic, as it uses the same sensor technology as the market leading Creda TSR Sensor Plus range of storage heaters, giving better comfort and economy
- High performance insulation levels mean that the Sensair is more than twice as effective at retaining heat as a conventional storage heater. This high level of heat retention gives a superior level of controllability as stored heat can be used on demand, whatever the time of day
- Comfort levels are governed by an electronic thermostat (accurate to O.5°C) which is constantly monitoring room temperature and cycles the fan system (and heat output) accordingly. The user controls this from one single knob, simplicity itself
- Heat output is via a quiet yet powerful two speed fan. For added flexibility there is a boost setting for high speed room heat up
- For convenience the fan can be switched off without altering the thermostat setting
- The Sensair has a direct acting facility which provides additional heat if required, delivered into the room via the heaters fast response fans
- The slimmest storage fan heater available the same depth as a slimline TSR
- Operates on virtually any tariff. Takes better advantage of extended and split tariffs
- Helps new and refurbished houses achieve better NHER and SAP ratings (by as much as 6 SAP rating points compared to a manual input static storage heater)
- Fanned heat output avoids heat stratification, giving even heat throughout the room
- Negative pressure air movement through the storage core avoids potential hotspots and heat leakage
- Lockable controls cover

The all-rounder

It's slim. It provides heat morning, noon and night. Plus it's quiet, easy to control and economic to run. In short, the Creda SFHA Sensair Automatic is just about the most complete storage fan heater you could find.

Easy to operate.

One easy-to-use control operates room comfort. It is connected to a highly accurate thermostat that activates the fans if the room drops 0.5°C below the chosen temperature. A second control provides the option of selecting the output mode without having to alter the thermostat setting.

Quiet fan performance.

There are two normal fan speed settings; the desired 'comfort' setting and 'boost' for a rapid increase in room heat. A further 'combi' setting adds flexibility. It allows the use of direct energy if there is insufficient charge in the core or for unexpectedly cold nights. Lastly, with the 'off' setting, the fans can be switched on and off without altering the settings. This helps to save energy during the day when background heat is all that is required.

The fan draws air through the storage core into a hot/cold mixing system before channelling it out into the room. It is sucked rather than blown to minimise the heat leakage or hot spots that could compromise safety. Very quiet in comfort mode, the performance is still effective enough to ensure an even room temperature and more efficient thermostatic control.

Superior heat retention.

Sensair has the best heat retention performance for a heater of its narrow dimensions. In fact, it is more than twice as effective at retaining heat as a conventional storage heater. This stems from generous use of high specification insulation material. As a consequence, once fully charged for seven hours, it can be left on static discharge (fans switched off) for as long as 17 hours, yet still retain 40% of the energy.

Leaders with automatic charging.

As pioneers of automatic storage heating, you can be sure that Creda knows how to give you superior performance within the Sensair. It uses a hydraulic thermostatic sensor to measure both room and core temperatures. This data is used to gauge the level of charge required to optimise use of off-peak electricity. Ideal with virtually any tariff regime, the auto-charge system is particularly efficient with extended, split or three-tier tariffs.

Direct acting heat flexibility.

Firstly as the direct acting heating element is housed in the fan area, the heat is fanned to eliminate heat stratification.

Secondly this eliminates the need for an additional heater to be fitted to the front and therefore allows for a slimline design.

SFHA Sensair Automatic

SFH18AW
SFH24AW

BEAB Approved CE

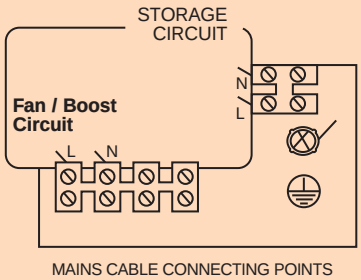
The ultimate combination of electric storage fan heating. Able to regulate input with direct acting heat flexibility, the SFHA is more effective at retaining heat than a conventional storage heater. Able to operate on virtually any tariff and with superior high performance insulation levels, it achieves higher SAP and NHER ratings than manual input storage heaters.

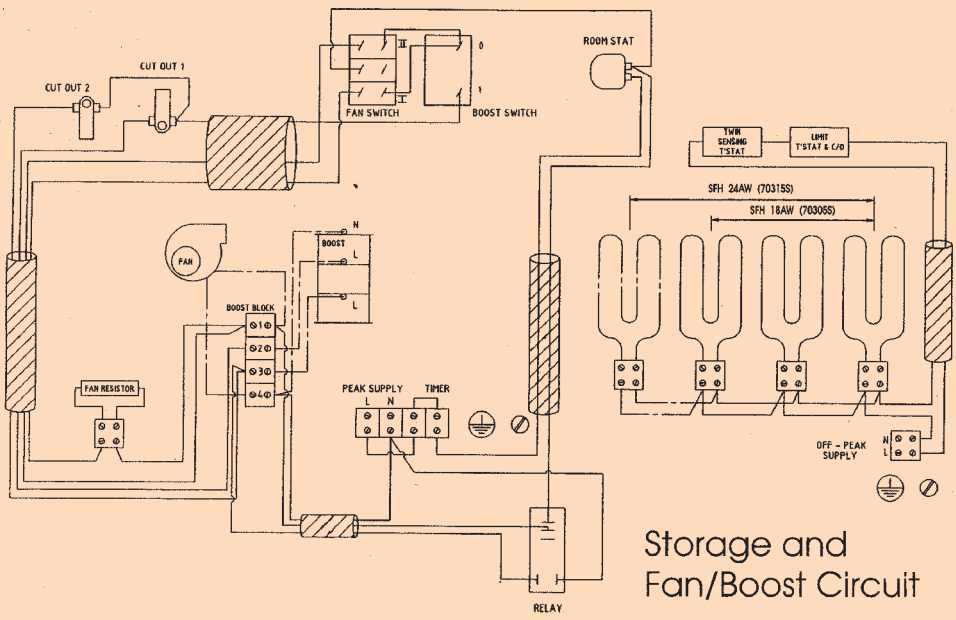
Key Features:

- Combines electric storage fan heating, direct acting heating and fanned heat output with simple controls.
- Fully automatic heat storage, using the same technology as the Creda TSR Sensor plus range.
- High performance insulation works more effectively than a conventional storage heater.
- Enables heat to be on demand throughout the day.
- Heat output is via a whisper quiet two speed fan.
- Boost setting for high speed room heat up.
- Fan can be switched off without altering thermostat setting.
- Direct acting facility provides fanned heat when required.
- Operates on virtually any tariff and takes better advantage of extended or split tariffs.
- Fanned heating avoids heat stratification.
- Lockable controls cover.
- Newera colour aesthetics and softform styling.
- Negative pressure air movement through the storage core avoids hotspots and heat leakage.

Wiring:

SFH18AW, SFH24AW



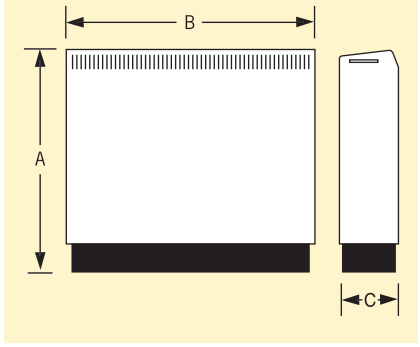


Storage and Fan/Boost Circuit

SFHA Sensair Automatic

Dimensions:

SENSAIR AUTOMATIC



A Height	**All models**	705mm
B Width	**SFH18AW**	788mm
	SFH24AW	1016mm
C Depth	**All models**	187mm

Heater Overview:

- Three-in-one automatic charge/discharge storage fan heater available in 2.5kW and 3.4kW loading.

Charge Input:

- Automatic charging system using economy, split and three tier tariffs.

Heat Retention Performance:

- Opacified silicaceous aerogel and mineral fibre mat. Typical heat retention after seven hour charge and 17 hours static discharge (fans off) - 40%.

Core Heat Extraction:

- Negative air pressure movement through storage core to avoid potential hotspots and heat leakage.

Heat Output:

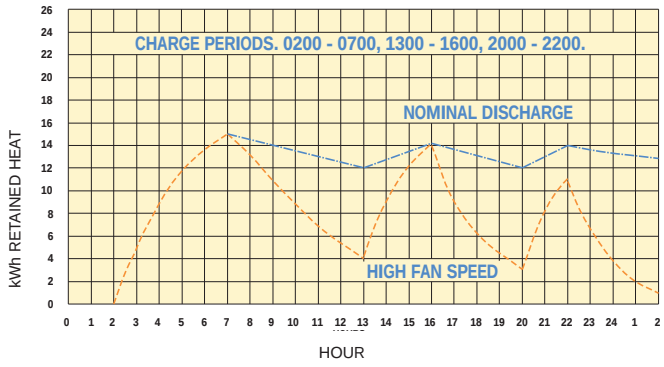
1. Electric storage heating
2. Fanned storage heating
3. 1.5kW Direct acting fanned heating

Hydraulic Thermostat:

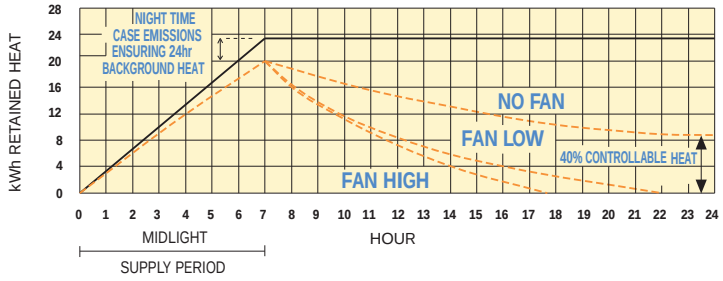
- Adjustable hydraulic thermostat control monitors and maintains room temperature within 0.5°C of desired comfort level.

Performance:

SFH24A Heat retention 3 part split tariff.



SFH24A Heat retention Economy 7.



Specification:

Product Reference	Catalogue Number	Rating Storage	Direct Acting	Charge Acceptance (7Hrs)	Net Storage Capacity	Weight	Number of Elements	Number of Core Bricks	Remaining Useful Heat* (Fan Off) After 17 Hrs (Static) Discharge
SFH18AW	70305	2.5 kW	1.5 kW	17.6 kWh	14.9 kWh	121kg	3	12	40%
SFH24AW	70315	3.4 kW	1.5 kW	23.5 kWh	20.0 kWh	158kg	4	16	40%

• Insulation - Opacified silicaceous aerogel and mineral fibre mat • Storage Core - High density iron oxide compound • Storage Elements - Mineral insulated stainless steel sheathed • Fan Unit - Two speed Crossflow fan • Controls (output) - Regulated by fan, controlled by integral adjustable electronic room thermostat • Controls (input) - Hydraulic head temperature compensated, room and storage core temperature sensitive, auto-set charge control • Safety - Two level thermal safety overheat protection • Supply - 230/240V AC single phase

TSR Supaslim Combi

TSR12CW/ACW
TSR18CW/ACW
TSR24CW/ACW

BEAB Approved CE

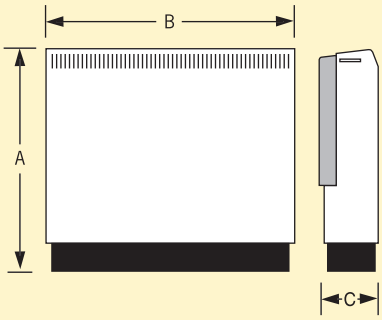
The Creda Supaslim Combi heater is designed to combine economic and efficient storage heating using low-cost tariff electricity with an independently thermostat-controlled fan system. Effectively two heaters in one, the built-in fan can provide heat on its own or in combination with the storage heater for a rapid boost to room temperature.

Key Features:

- Combines economic tariff rate storage heater with a fast and responsive Warmflow fan heater for instant room heating.
- The slimmest storage combination heater available.
- 'Sensamatic' fully automatic storage heater output ensures room comfort levels are maintained throughout the day without user intervention.
- The Warmflow fan heater has independent thermostatic control accurate to within 0.5°C.
- Warmflow gives better heat distribution helping avoid heat stratification.
- Quiet, low velocity Warmflow fan.
- All controls are concealed behind a lockable flap.
- Newera colour and softform styling.
- ACW models feature automatic input control for compliance with building regulations, Part L1, for new build.

Dimensions:

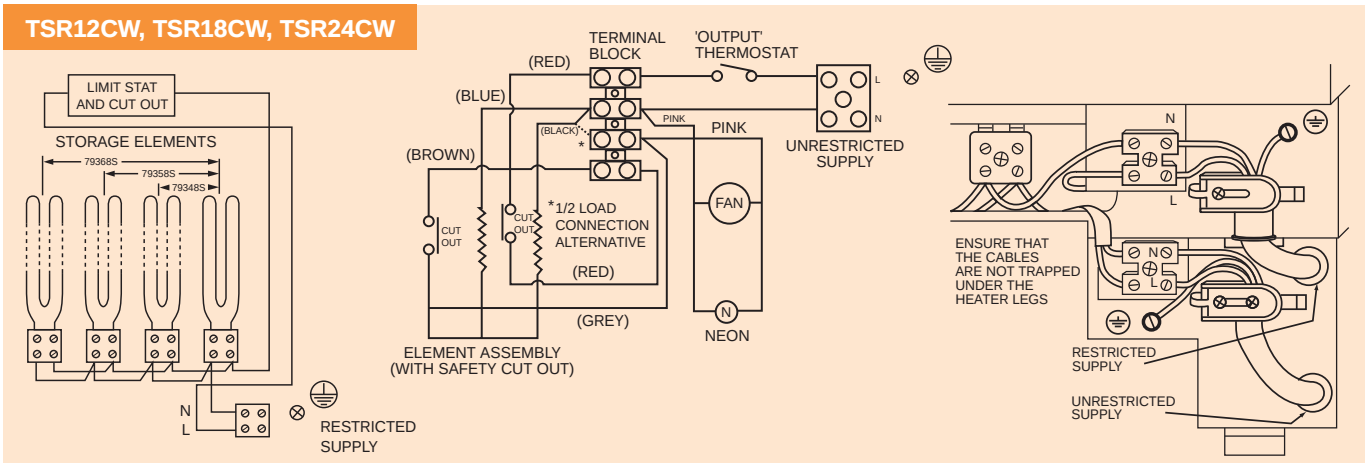
SUPASLIM COMBI



A Height	**All models**	760mm
B Width	**TSR12CW/ACW**	560mm
	TSR18CW/ACW	788mm
	TSR24CW/ACW	1016mm
C Depth	**All models**	170mm

Wiring:

TSR12CW, TSR18CW, TSR24CW



TSRSupaslimCombi

Heater Overview:

- Two-in-one convection and fanned storage combination heater in a choice of three storage ratings.

Fan Heater Control:

- Manually adjustable room temperature sensing thermostat.

Storage Heater Charge Input Control:

- CW range have manually adjustable hydraulic charge control thermostat.
- ACW range have hydraulic charge control thermostat providing Auto-set charge control.

Heat Output:

- Non-fanned storage heating, requiring no user adjustment for even temperature control throughout the day.

Thermostat:

- Adjustable hydraulic thermostat control maintains room temperature within 0.5°C of desired comfort level.

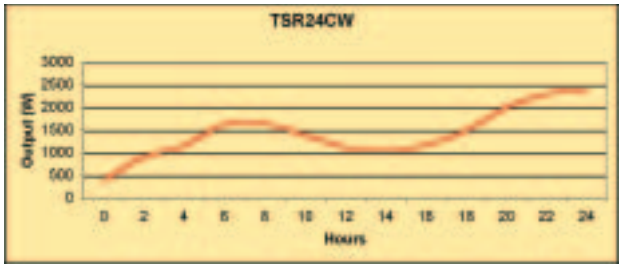
User Controls:

- Positioned on the top right hand side of the heater.
  Control 1: Thermostatic fan control.
  Control 2: Charge input.

Installation Options:

- Fan heater ratings can be set on full or half load.
- Automatic fan heater switch-off during off-peak tariff periods.

Performance:



Specification:

Product Reference	Catalogue Number	Rating Storage	Direct Acting	Charge Acceptance (7Hrs)	Charge Acceptance (8Hrs)	Weight	Number of Storage Elements	Number of Core Bricks
TSR12CW	79348	1.7 kW	1.0/0.5 kW	11.8 kWh	12.6 kWh	78kg	2	8
TSR18CW	79358	2.5 kW	1.5/0.75 kW	17.6 kWh	18.5 kWh	114kg	3	12
TSR24CW	79368	3.4 kW	2.0/1.0 kW	23.5 kWh	25.0 kWh	149kg	4	16
TSR12ACW	75-772001	1.7 kW	1.0/0.5 kW	11.8 kWh	12.6 kWh	78kg	2	8
TSR18ACW	75-772002	2.5 kW	1.5/0.75 kW	17.6 kWh	18.5 kWh	114kg	3	12
TSR24ACW	75-772003	3.4 kW	2.0/1.0 kW	23.5 kWh	25.0 kWh	149kg	4	16

• Insulation - Opacified silicaceous aerogel and mineral fibre mat • Storage Core - High density iron oxide compound • CW controls (input) - (Storage) Hydraulic charge control thermostat, manually adjustable for weather conditions • ACW controls (input) - (storage) Hydraulic head temperature compensated, room and storage core temperature sensitive • Controls (Fan Heater) manually adjustable room temperature sensing thermostat • Safety - Two level thermal safety overheat protection • Supply - 230/240V AC single phase.

TSR Sensor Plus

TSR6AW
TSR12AW
TSR18AW
TSR24AW

BEAB Approved CE

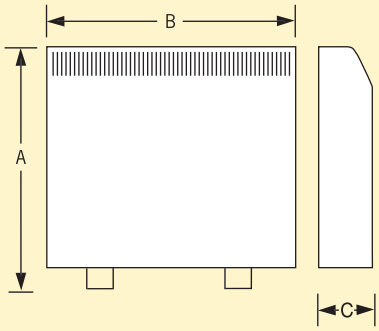
The Multi-sense system in the TSR Sensor Plus automatically controls heat storage to maintain the desired room temperature. Working on any low-cost tariff, these heaters monitor the room temperature and energy stored within the heater core to avoid overcharging. This can save up to 15% of the energy used by ordinary storage heaters.

Key Features:

- Multi-sense two thermostatic sensor control system for heat storage and room temperature control.
- The only storage heater available that automatically monitors and controls heat output through a thermostatic sensor.
- Controls couldn't be simpler - one for input and one for output.
- Multi-sense system enables energy savings of up to 15%.
- Multi-sense operates exclusively at maximum efficiency on all economy tariff periods.
- Automatic control means little if any control adjustment - just set and forget.
- All Multi-sense sensors mounted within the heater.
- Lockable controls cover.
- Newera colour and aesthetics with softform styling.

Dimensions:

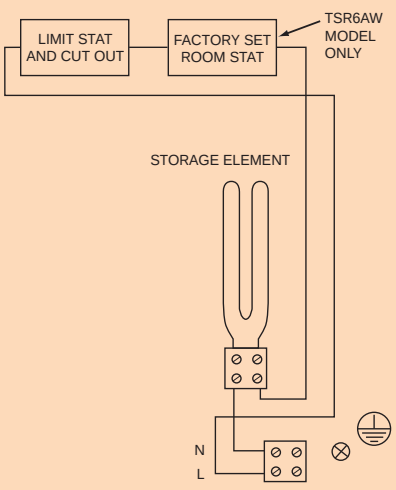
SENSOR PLUS

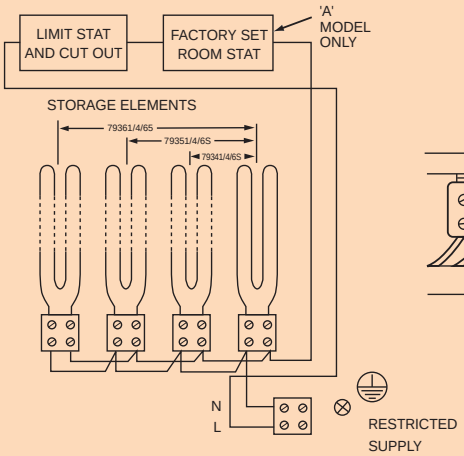


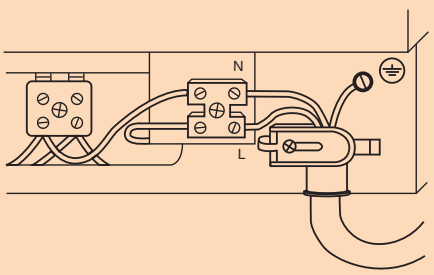
A Height	**All models**	705mm
B Width	**TSR6A**	335mm
	TSR12A	560mm
	TSR18A	788mm
	TSR24A	1016mm
C Depth	**All models**	170mm

Wiring:

TSR6A, TSR12A, TSR18A, TSR24A







Heater Overview:

- Multi-sense storage heater providing automatic control of heat input and room temperature levels.

Storage Heater Charge Input Control:

- Hydraulic charge control thermostat providing Auto-set charge control.

Heat Output Control:

- Fully automatic heat monitor and output controls, requiring no user adjustment for even temperature control throughout the day.

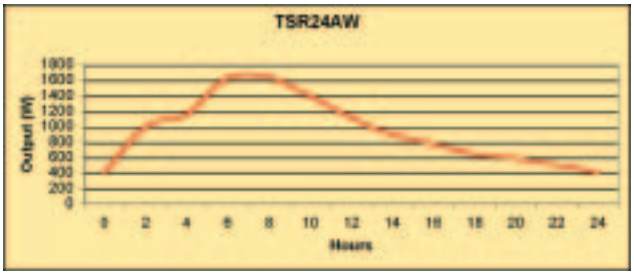
Thermostat:

- Adjustable hydraulic thermostat control to maintain room temperature.

User Controls:

- Mounted right.
  Control 1: Thermostatic output.
  Control 2: Thermostatic charge input.

Performance:



Specification:

Product Reference	Catalogue Number	Rating Storage	Charge Acceptance (7Hrs)	Charge Acceptance (8Hrs)	Weight	Number of Elements	Number of Core Bricks
TSR6AW	79331	0.9 kW	6.3 kWh	7.2 kWh	41kg	1	4
TSR12AW	79341	1.7 kW	11.8 kWh	12.6 kWh	77kg	2	8
TSR18AW	79351	2.5 kW	17.6 kWh	18.5 kWh	110kg	3	12
TSR24AW	79361	3.4 kW	23.5 kWh	25.0 kWh	145kg	4	16

• Insulation - Opacified silicaceous aerogel and mineral fibre mat • Storage Core - High density iron oxide compound • Storage Elements - Mineral insulated stainless steel sheathed • Controls* (output) - Patented adjustable room temperature sensing thermostat controlling output damper • Controls (input) - Hydraulic head temperature compensated, room and storage core temperature sensitive, Auto-Set charge control • Safety - Two level thermal safety overheat protection • Supply - 230/240V AC single phase

*79331 has no user controls

TSR Slimline

TSR6MW
TSR12MW
TSR18MW
TSR24MW

BEAB Approved CE

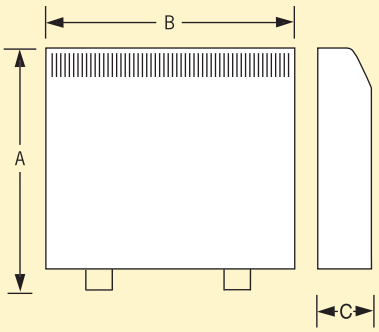
Utilising a hydraulic heat storage sensor to give greater accuracy and control over heat input and room temperature levels, TSR Slimline heaters are economical to run. With manually operated input and output controls, they're easy to use too.

Key Features:

- High performance, high technology off-peak economy.
- Exceptionally quick and easy to install.
- Hydraulic heat storage sensor provides better control and economy.
- Attractive, easy-to-use controls.
- Lockable controls cover.
- Slim, unobtrusive design.
- Newera colour and aesthetics with softform styling.

Dimensions:

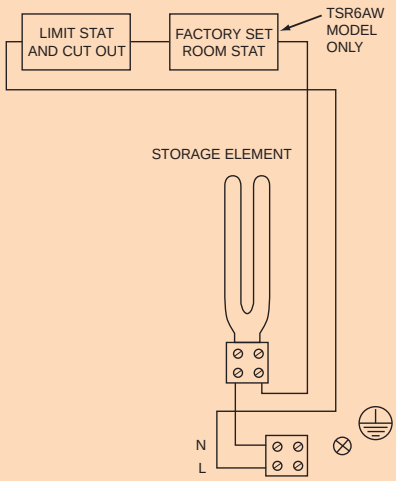
SLIMLINE

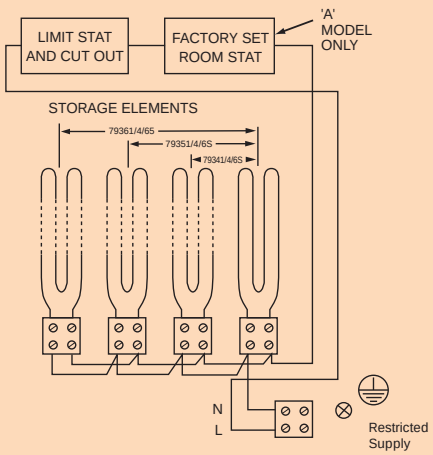


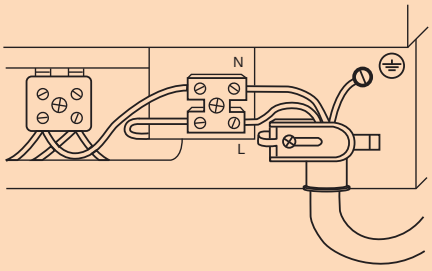
A Height	**All models**	705mm
B Width	**TSR6MW**	335mm
	TSR12MW	560mm
	TSR18MW	788mm
	TSR24MW	1016mm
C Depth	**All models**	170mm

Wiring:

TSR6MW, TSR12MW, TSR18MW, TSR24MW







Heater Overview:

- Highly economical yet straightforward manually controlled storage heater.

Storage Heater Charge Input Control:

- Manually adjustable hydraulic charge control thermostat.

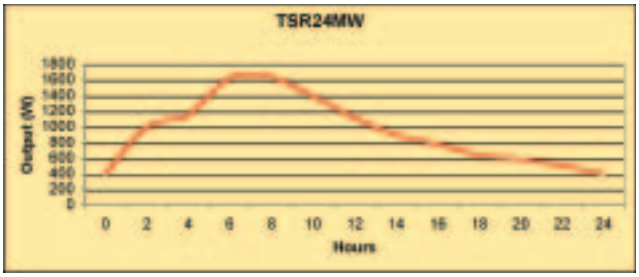
Heat Output:

- Manual, thermostatically controlled.

User Controls:

- Mounted right.
  Control 1: Discharge output.
  Control 2: Charge input.

Performance:



Specification:

Product Reference	Catalogue Number	Rating Storage	Charge Acceptance (7Hrs)	Charge Acceptance (8Hrs)	Weight	Number of Elements	Number of Core Bricks
TSR6MW	79334	0.9 kW	6.3 kWh	7.2 kWh	41kg	1	4
TSR12MW	79344	1.7 kW	11.8 kWh	12.6 kWh	77kg	2	8
TSR18MW	79354	2.5 kW	17.6 kWh	18.5 kWh	110kg	3	12
TSR24MW	79364	3.4 kW	23.5 kWh	25.0 kWh	145kg	4	16

• Insulation - Opacified silicaceous aerogel and mineral fibre mat • Storage Core - High density iron oxide compound • Storage Elements - Mineral insulated stainless steel sheathed
• Controls* (output) - Manually adjustable thermostat controlling output damper • Controls (input) - Hydraulic charge control thermostat, manually adjustable for weather conditions
• Safety - Two level thermal safety overheat protection • Supply - 230/240V AC single phase

*79334 has no user controls

TSF Turbo Storage Fan Heater

TSF24K
TSF32K
TSF42K

BEAB Approved CE

Creda TSF Turbo Storage Fan Heaters provide controlled output space heating with maximum economy and flexibility.

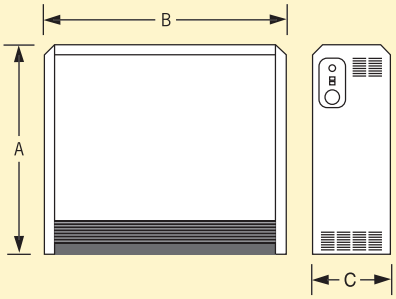
As the heater retains 40% of total stored heat, the thermostatically controlled 2-speed centrifugal fan allows for rapid, uniform heating.

Key Features:

- TSF Turbo uses economy tariff electricity, operating particularly well on special daytime economy periods.
- Available in three output capacities - 3.6kW, 4.8kW and 5.7kW.
- More controllable, providing heat quickly when required.
- In-built direct element for out of season heating using day rate electricity.
- Fanned heat is faster and more even in distribution, particularly near ground level.
- Easy to use manual controls for room thermostat and Economy Charge, conveniently positioned on the heaters side.
- Smooth, rounded, modern appearance, compatible with today's home and office décor.

Dimensions:

TURBO STORAGE



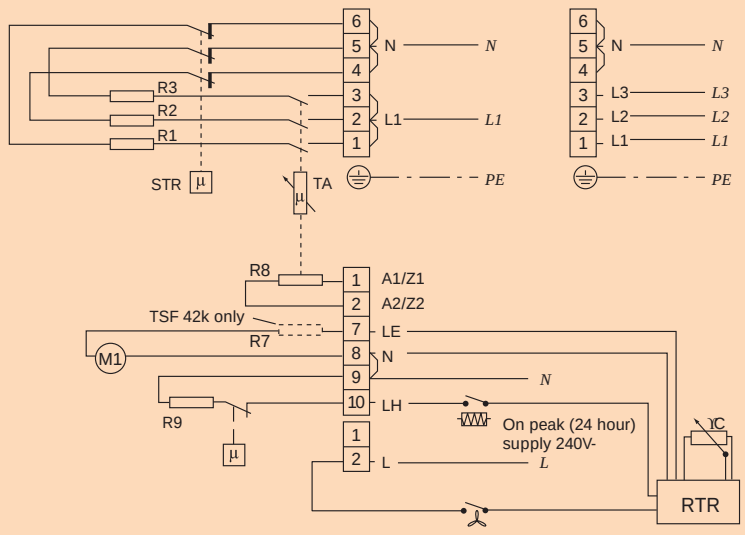
A Height	**All models**	672mm
B Width	**TSF24K**	776mm
	TSF32K	926mm
	TSF42K	1076mm
C Depth	**All models**	250mm

Wiring:

TSF24K, TSF32K, TSF42K

Off peak (restricted) supply
Single phase connection
L1/N/Earth 240V-

Off peak (restricted) supply
Three phase connection
3/N/Earth 415V-



Key:

L1 L2 L3	Live
N	Neutral
E	Earth
R1 R2 R3	Heating elements
TR	Charge control thermostat
STR	Thermal cut-out (automatic reset)
RTR	Room temperature control
A1/Z1 A2/Z2	Automatic charge control (not available in UK)
LE	Thermostat controlled discharge supply
LH	Auxiliary heater supply
M1	Fan
R7	Fan resistor (TSF-42k only)
R8	Charge control resistor
R9	Auxiliary heater

TSF Turbo Storage Fan Heater

Heater Overview:

- Fanned storage heater providing maximum economy and controllability on low rate and day rate tariffs.

Storage Heater Charge Input Control:

- Adjustable hydraulic thermostat.

Heat Output Control:

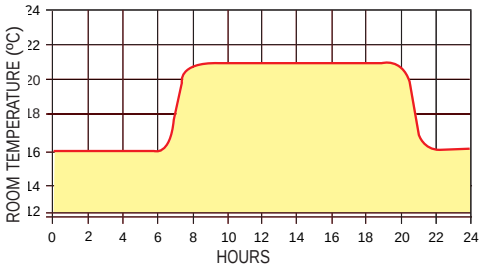
- Controlled by an integral thermostat.

User Controls:

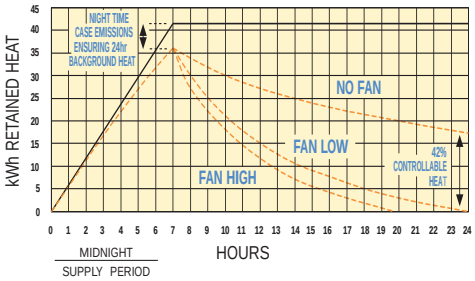
- Positioned on the right hand side of the heater.
  Control 1: Heat output.
  Control 2: Charge input.
- Neon switch for fan.
  Neon switch for direct acting element.

Performance:

Typical TSF Turbo daily heat output.



TSF 42 heat retention on E7 tariff.



Specification:

Product Reference	Catalogue Number	Off Peak Rating	Direct Acting Element Load	Charge Acceptance (7Hrs)	Charge Acceptance (8Hrs)	Weight	Number of Core Bricks
TSF24K	70369KS	3.6 kW	1.1 kW	25.2 kWh	28.8 kWh	137kg	18
TSF32K	70379KS	4.8 kW	1.5 kW	33.6 kWh	38.4 kWh	176kg	24
TSF42K	70389KS	5.7 kW	2.0 kW	39.9 kWh	45.6 kWh	215kg	30

TPR Panel Heaters

TPR750W/TW
TPR1000W/TW
TPR1250W/TW
TPR1500W/TW
TPR2000W/TW

BEAB Approved CE

TPR panel heaters are designed to complement the TSR range of storage heaters to provide an efficient mixed home heating system. Exceptionally compact and IPX4 rated, they are ideal for smaller rooms such as bathrooms and bedrooms.

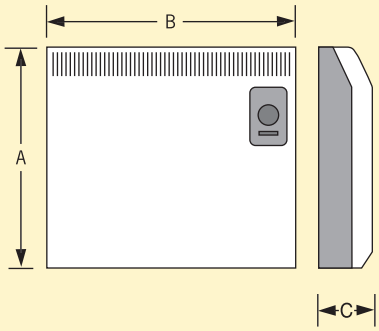
Timer models feature quartz electronic programmers for greater accuracy and control.

Key Features:

- Compact, attractive design occupying minimum wall space.
- Ideal for smaller rooms such as conservatories, bathrooms and bedrooms.
- All models are fully IPX4 rated and so can be installed in bathrooms in zone 1 & 2.
- Wide range of heat outputs - 750W to 2000W.
- All models controlled by highly sensitive thermostat (accurate to +/-1/3°C) for better temperature control and economy.
- Wide temperature range setting, from 5°C (frost protection) to 35°C.
- Safety cut-out feature on all models.
- Newera colour and softform styling.

Dimensions:

TPR PANEL HEATERS



A Height	**All models**	420mm
B Width	TPR750W/750TW	444mm
	TPR1000W/1000TW	614mm
	TPR1200W/1200TW	614mm
	TPR1500W/1500TW	682mm
	TPR2000W/2000TW	852mm
C Depth	All models	93mm

TPR Panel Heaters

Heater Overview:

- Compact panel heater available with or without quartz electronic programmer.

Thermostat:

- Gas filled, accurate to within +/- 1/3°C.

TPR Timer Models:

- Quartz electronic, 24 hour with manual override switch that will not alter programmer settings.

Non Timer TPR Models:

- Thermostat control to +/- 1/3°C.

Installation - All Models:

- Detachable, hinged wall mounting frame for ease of installation and cleaning.
- One metre of factory fitted cable enables mains connection from either side of heater.

Specification:

With Quartz Electronic programmer

Product Reference	Catalogue Number	Rating Storage
TPR750TW	85301	750W
TPR1000TW	85302	1000W
TPR1250TW	85303	1250W
TPR1500TW	85304	1500W
TPR2000TW	85305	2000W

• Elements - Finned metal sheathed mineral filled type • Thermostat - Gas filled type, accurate to ± 1/3°C • Programmer - 24hr high-temperature resistant Quartz Electronic action timer with 15 minute selection segments. Manual override of programme selection without timer re-setting • Supply - 230/240V AC single phase

Without Quartz Electronic programmer

Product Reference	Catalogue Number	Rating Storage
TPR750W	85311	750W
TPR1000W	85312	1000W
TPR1250W	85313	1250W
TPR1500W	85314	1500W
TPR2000W	85315	2000W

• Elements - Finned metal sheathed mineral filled type • Thermostat - Gas filled type, accurate to ± 1/3°C • Supply - 230/240V AC single phase

Accessories

Storage Heater Shelves

TSR Towel Rails

TSR Guards

BEAB Approved CE

Creda heater accessories are available to complement the Creda storage and panel heater ranges.

Storage Heater Shelves:

- Available in four widths to cover all sizes of TSR storage heaters and SFHA storage fan heaters.
- Finished in Newera white.

Catalogue No.	Fits Heater
79032S	TSR6
79042S	TSR12
79052S	TSR18/SFHA18
79062S	TSR24/SFHA24

TSR Towel Rails:

- Available for TSR 6, TSR 12 and TSR18 auto and manual models.
- Quick and easy to fit.
- Available in Newera white.

Catalogue No.	Fits Heater
79130WS	TSR6 A&M
79140WS	TSR12 A&M
79150W	TSR18 A&M

Heater Guards:

A range of guards, designed to protect against accidental contact with the hot surface of the heater, are available for Creda heaters from our suppliers:

Norfolk Industries,

95 Oak Street,

Norwich,

NR3 3BP.

Please contact them direct on:

Tel: 01603 667957 or

Fax: 01603 624265

Towel Rails

TDC1/2/3
TDW2
LRC1/2/3/4/5

BEAB Approved CE

An innovative range of fluid filled towel warmers that has a breadth of products to satisfy both the commercial and domestic market.

Due to the rise in popularity of supplementary heating and the customer requirement for a focal point in the bathroom, the demand for towel warmers is on the increase.

Building upon a long established reputation for quality, Creda offer a comprehensive range of towel warmers to suit all tastes and budgets. Available in various styles, dimensions and heating outputs.

Key Features:

- All models offer low energy usage whilst maintaining superior heat output.
- Fluid filled for even heat distribution.
- Triple layer corrosion protection.
- Unique styling complements a range of décor.
- Maximises power distribution to optimise energy usage.
- Highly polished finish.
- High impact ABS support brackets.
- IP55 rated offering flexible positioning (including zone 1).
- Easy to install - complete with fittings.
- Designed for durability.

Specification:

Product Reference	Catalogue Number	Rating	Finish	Weight kg	Depth (when fitted)	Height	Width
TDC1	86000	60W	Chrome	4.3	107mm	810mm	435mm
TDC2	86010	80W	Chrome	5.4	107mm	810mm	525mm
TDC3	86020	80W	Chrome	5.5	107mm	745mm	650mm
TDW2	86040	80W	White	5.4	107mm	810mm	525mm
LRC3	86060	140W	Chrome	7.0	110mm	1000mm	500mm
LRC5	86080	175W	Chrome	10.0	155 mm	1200mm	600mm

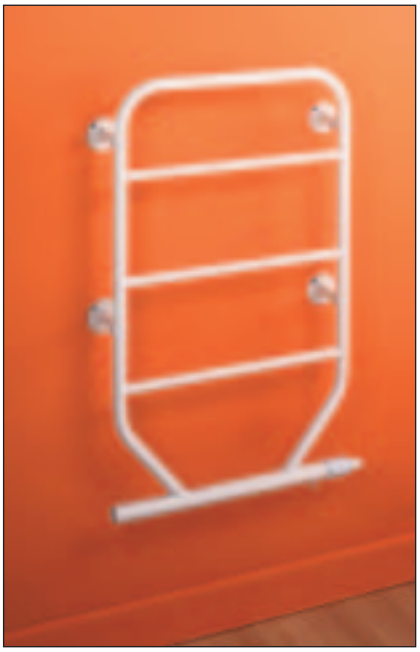
• Elements - Finned metal sheathed mineral filled type • Supply - 230/240V AC single phase

TowelRails

TDC1

TDC2

TDC3



TDW2

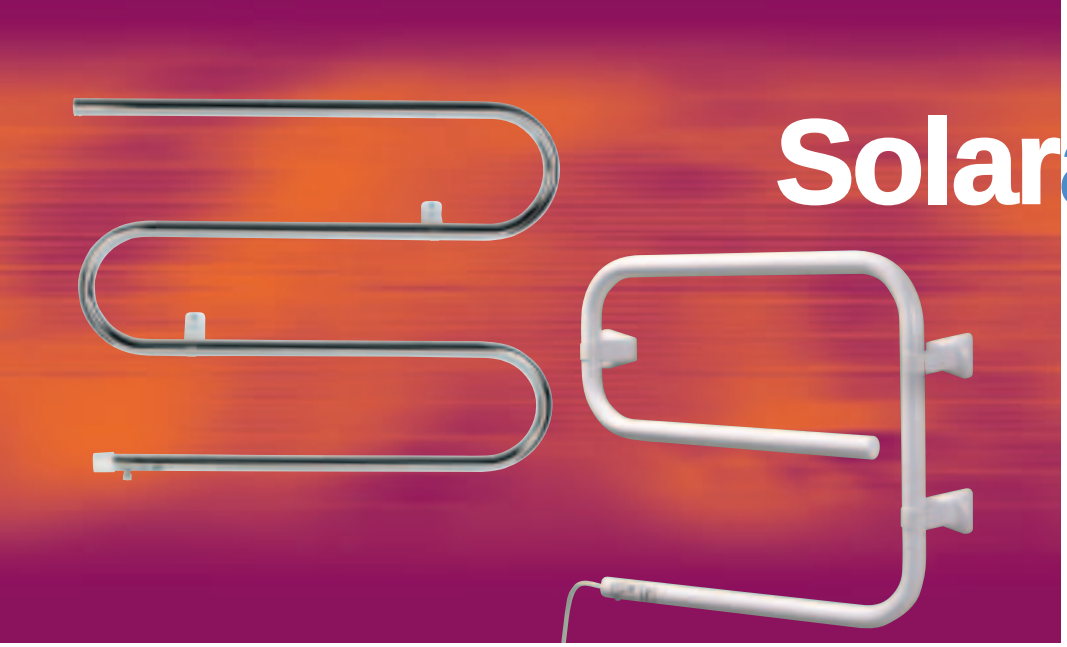
LRC3

LRC5

Specification:

Product Reference	Catalogue Number	Rating	Finish	Weight kg	Depth (when fitted)	Height	Width
TDC1	86000	60W	Chrome	4.3	107mm	810mm	435mm
TDC2	86010	80W	Chrome	5.4	107mm	810mm	525mm
TDC3	86020	80W	Chrome	5.5	107mm	745mm	650mm
TDW2	86040	80W	White	5.4	107mm	810mm	525mm
LRC3	86060	140W	Chrome	7.0	110mm	1000mm	500mm
LRC5	86080	175W	Chrome	10.0	155 mm	1200mm	600mm

• Elements - Finned metal sheathed mineral filled type • Supply - 230/240V AC single phase



Solarail

Dry Element Towel Rails

BEAB Approved CE

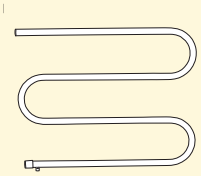
Designed for the bathroom, shower room or kitchen areas, the Creda Solarail is perfect for drying towels and taking the chill out of the air.

Key Features:

- Dry element towel rails with a choice of 100W or 50W outputs.
- Fully IPX4 rated.
- Supplied with mains cable and mounting brackets for easy installation.
- Finished in Newera white or Chrome.

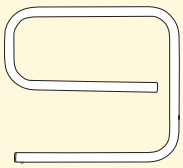
Dimensions:

SOLARAIL



Model	Height	Width	Depth (inc. spacer)
87013 (w)	570mm	710mm	100mm
51-805309 (c)	570mm	710mm	100mm

SOLARAIL



Model	Height	Width	Depth (inc. spacer)
51805702 (w)	410mm	460mm	85mm
51-805701 (c)	410mm	460mm	85mm

Specification:

Product Reference	Catalogue Number	Rating	Colour	Supply
Solarail	87013	100W	White	230/240V AC single phase
Solarail	51-805702	50W	White	230/240V AC single phase
Solarail	51-805304	100W	Chrome	230/240V AC single phase
Solarail	51-805701	50W	Chrome	230/240V AC single phase

UnderfloorHeating

CE 10 year guarantee (Mats only)

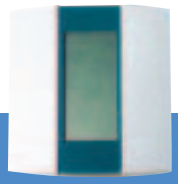
More Comfort, Less Energy

With Creda underfloor heating, cold feet really are a thing of the past. The heat emitted from under the floor gently dissipates into the room, giving an even, draught-free and comfortable warmth. Independent tests have shown that if your feet are warm, the air temperature in your room can be set a few degrees lower without affecting how you feel. A reduction of 2-3 degrees will make a dramatic impact on the amount of energy that is used resulting in much lower fuel bills.

Why use Underfloor Heating? Low cost installation - clean and effective to run

With a low capital cost and easy installation, underfloor heating can be a very attractive proposition. But combine this with the clean, even and draught free heat that is given out, and the fact that there are no unsightly radiators to collect dust and hamper future redecoration, then the arguments in favour of this system become overwhelming.

Multi-Controller - 75-771202



Total Controllability - the ability to control any heating is vitally important

The controller from Creda-Heating allows you to obtain the best from your under-floor heating system. The more advanced multi-controller allows 7-day programming of all 'On and Off' times and the setting of comfort temperatures and reduced set-back temperatures.

Specification

Product Code	75771101	75771102	75771103	75771104	75771105	75771106	75771107	75771108	75771109
Dimensions L x W (mm)	2000 x 500	3000 x 500	4000 x 500	5000 x 500	6000 x 500	8000 x 500	10000 x 500	12000 x 500	14000 x 500
Area m^2	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0	7.0
Output	160W	240W	320W	400W	480W	640W	800W	960W	1120W
Protection class	1	1	1	1	1	1	1	1	1

All products 3mm thick and 160W/m^2

Comfort through warm feet

New Build or Refurbishment

Being only 3mm thick the underfloor heating-mat is suitable for installation in both new-build or refurbishment projects, and can be used with any type of floor, including ceramic tiles, carpet, laminated or wooden floors.

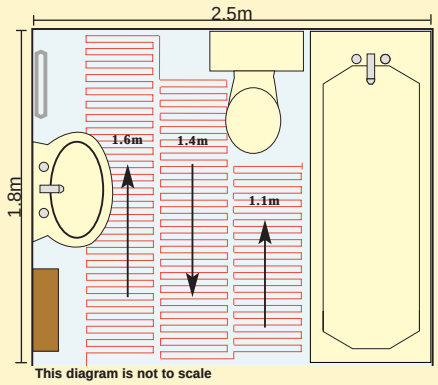
"Invisible heating for a clean and healthy lifestyle"

Benefits at a Glance:

- **Wafer thin - only 3mm thick**
- **Suitable for tiles, carpet, laminate or wooden floors**
- **Almost invisible - all you see is a wall mounted thermostat**
- **Low capital cost**
- **Totally maintenance free**
- **No radiators - every wall is free from obstruction**
- **Suitable for new-build or refurbishment**
- **Easy to install**
- **Total controllability-heat where you want, when you want**

What size heating mat?

Making sure the correct sized mat is ordered is essential. Underfloor heating does not go under permanent furniture. The bathroom below is 1800mm long by 2500mm wide, this equals 4.5m² of floor area, but the actual amount of underfloor heating required is only 2.0m².



Add the lengths of all the runs i.e. 1.6 + 1.4 + 1.1 = 4.1 linear metres. Then, to calculate the m², multiply the overall length (4.1) of the runs by the width of the mat (0.5m), 4.1m x 0.5m = 2.05m². If the measurement is not equal to a mat size you should always select a mat that is smaller NEVER LARGER THAN REQUIRED.

In this case you would select the 2.0m² mat.

Sunflow

Downflow Fan Heaters

CE BEAB (Applied for)

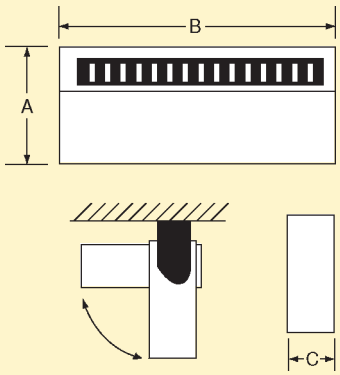
The Sunflow range of fan assisted hot air curtains, designed for installation above external doors, effectively combats incoming cool air. The Sunflow can also run cold, forming a barrier against dust and giving a cool refreshing breeze in Summer.

Key Features:

- High volume throughput with Sunflow at 130m³/hr
- Integral switching simplifying installation.
- Smooth running motors and balanced tangential fan units for quiet and efficient operation.
- Brackets are provided where adjustment for the air flow is required, i.e. when mounted at high level to serve as a multi-directional fan heater.
- Built-in thermal cut-out for added safety.
- Supplied with fully adjustable wall mounted brackets which offer flexible adjustment.

Dimensions:

SUNFLOW



Versatile brackets offer flexible adjustment

	SUNFLOW
A Height	190mm
B Width	600mm
C Depth	105mm

Specification:

Product Reference	Short Code	Catalogue Number	Colour	kW Loading @ 240V	Switching	Recommended Cable Size
Sunflow	CSW3	75-771301	White	3kW	Cold, 1.5kW, 3kW	2.5mm²
Sunflow	CSW45	75-771302	White	4.5kW	Cold, 2.25kW, 4.5kW	4.0mm²
Control		75-770901				

Sunflow • Element - Open coil supported by ceramic insulators • Zinc coated steel, powder coated body • Shaded pole motor

Sunfan

High Level Fan Heaters

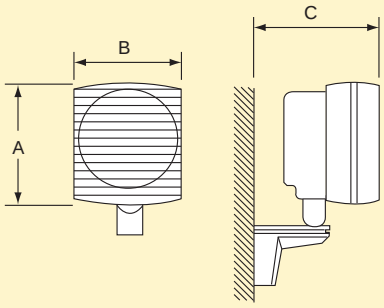
Sunfan is a robust 3kW high volume air throughput commercial/industrial wall mounted fan heater designed to provide highly efficient heating in winter, or cool air circulation in Summer.

Key Features:

- High air volume throughput of 300m³/hour.
- Quiet running, totally enclosed motor.
- Wall mounted with 2 part self supporting bracket.
- Multi-directional adjustment of 45° vertically and 150° horizontally with single screw locking.

Dimensions:

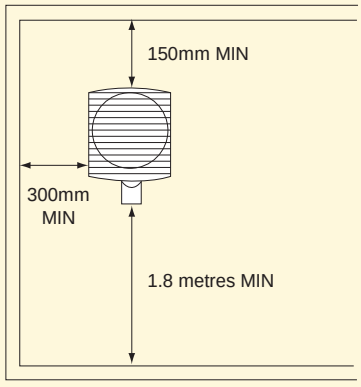
SUNFAN



A Height	229mm
B Width	267mm
C Depth	260mm

Installation:

SUNFAN



Siting

Installation Notes:

- Fan heating is not recommended for rooms greater than 5 metres (15ft) high.

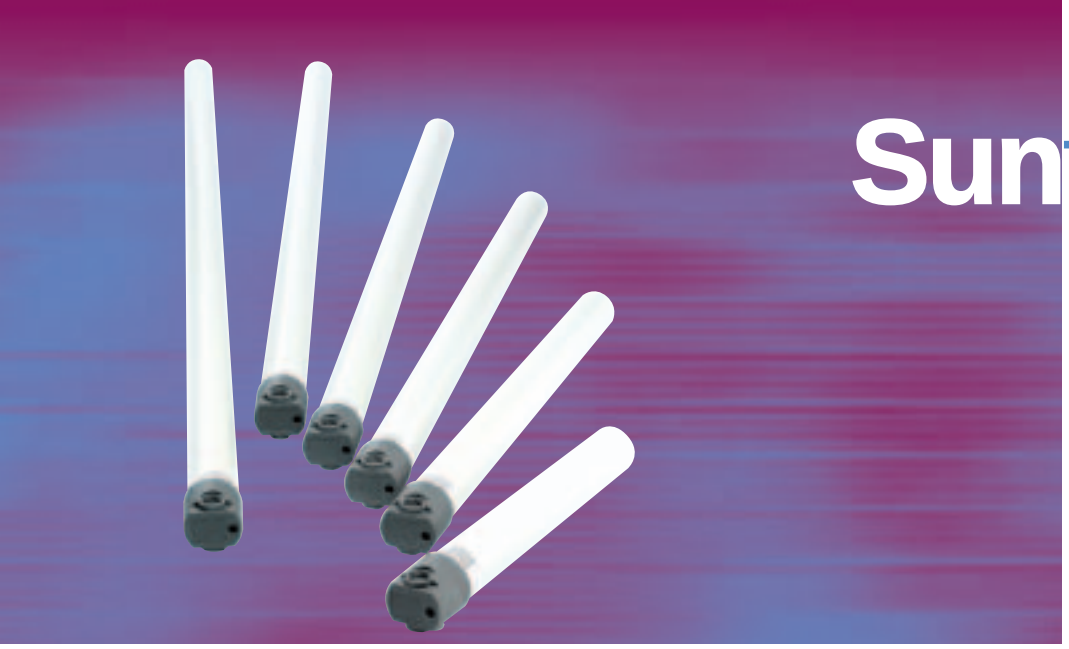
Accessory included:

- Provides on/off and fan only switch
- Varible thermostat control
- 'Fan on' indicating light
- Surface or recess mounting
- 208mm x 86mm

Specification:

Product Reference	Short Code	Catalogue Number	kW Loading @ 230V	kW Loading @ 240V	Noise Level from Unit Fan only @ 1m	Noise Level from Unit Fan only @3m	Noise Level from Unit Heater & fan @ 1m	Noise Level from Unit Heater & fan @3m	Element Type
Sunfan	CSF3	75-771401	2.75kW	3kW	49.5dBA	41.4dBA	47.9dBA	40.5dBA	Open wound spiral

Sunfan • Flame retardant polycarbonate / glass filled nylon body • Single phase, 4 pole motor • Two tone grey (neutral colours)
• Safety features - Two thermal cut-outs, double insulated.



Suntube

Tubular Heaters

Suntubes are the perfect answer where a steady energy efficient source of heat is needed, providing gentle background warmth and frost protection for both domestic and commercial applications. They are highly effective as window demisters and for horticultural use, providing invaluable, effective heating and frost protection in greenhouses and conservatories.

Key Features:

- 60-360W outputs @ 240V.
- A range of 6 lengths and loadings.
- Complete with universal mounting brackets for floor or wall fixing.
- Optional interlinking kit available for multiple installations (100mm mounting centres).

Note: We recommend the use of guards for additional security in sensitive areas such as schools, hospitals and old peoples homes. These can be obtained from C.Aino Ltd. Tel: 0207 987 1184 quoting the short guard code from table below.

Specification:

Product Reference	Catalogue Number	Suntube Short Code	Guard Short Code	Rating 230-240V	Length (mm)	Diameter (mm)	Depth (mm)
Suntube 410	75-771501	CST1	STG1	60 Watts	410	52	75
Suntube 670	75-771502	CST2	STG2	120 Watts	670	52	75
Suntube 980	75-771503	CST3	STG3	180 Watts	980	52	75
Suntube 1280	75-771504	CST4	STG4	240 Watts	1280	52	75
Suntube 1590	75-771505	CST5	STG5	300 Watts	1590	52	75
Suntube 1890	75-771506	CST6	STG6	360 Watts	1890	52	75
Interlinking Kit	75-770903	-	-	-	-	-	-

Suntube • Elements - Metal sheathed throughout • Polyester epoxy powder coated aluminium body for corrosion resistance • White colour • High temperature glass filled nylon end caps/fixing brackets • Single end connection, conduit or cable

Sunslim

Radiant Infra-red Heaters

CE

Sunslim is a low cost, robust and easy to install radiant heater. Its tilt mounting allows heat to be localised, or directed at a general area. The Sunslim can be wall-mounted or ceiling hung.

Installation:

When planning a Radiant Heating installation, refer to Table 1 to select the application and type of environment you wish to heat.

Table 2 shows the area that can be heated by a single Sunslim Radiant Heater in 3kW and 2kW variants.

Note: Heating areas can be overlapped to achieve the necessary heating index.

Key Features:

- Instant, directional radiant heat.
- Available in 2 and 3kW versions.
- Completely silent in operation.
- Lightweight, robust and good looking.
- Corrosion resistant.
- Suitable for bracket or chain mounting.
- Easy to install.
- Ideal for localised heating in large covered areas.

Installation Notes:

- High temperature cable must be used. We recommend the use of a residual current device (RCD)

Dimensions:

SUNSLIM

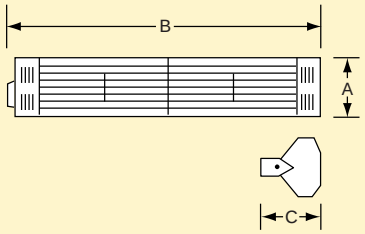


Table 1 - Sunslim Heating Index

Applications	Heating Index
Offices, Canteens, Waiting Rooms, Entrance Halls, Dressing Rooms	10-14
Shops, Meeting Halls, Recreation Rooms, Clubs	12-16
Workshops, Garages, Public Buildings	14-18
Warehouses, Loading Bays, Hangars	16-20
Churches	18-20

Installation:

SUNSLIM

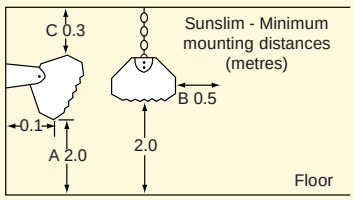


Table 2 - Sunslim Heated Area

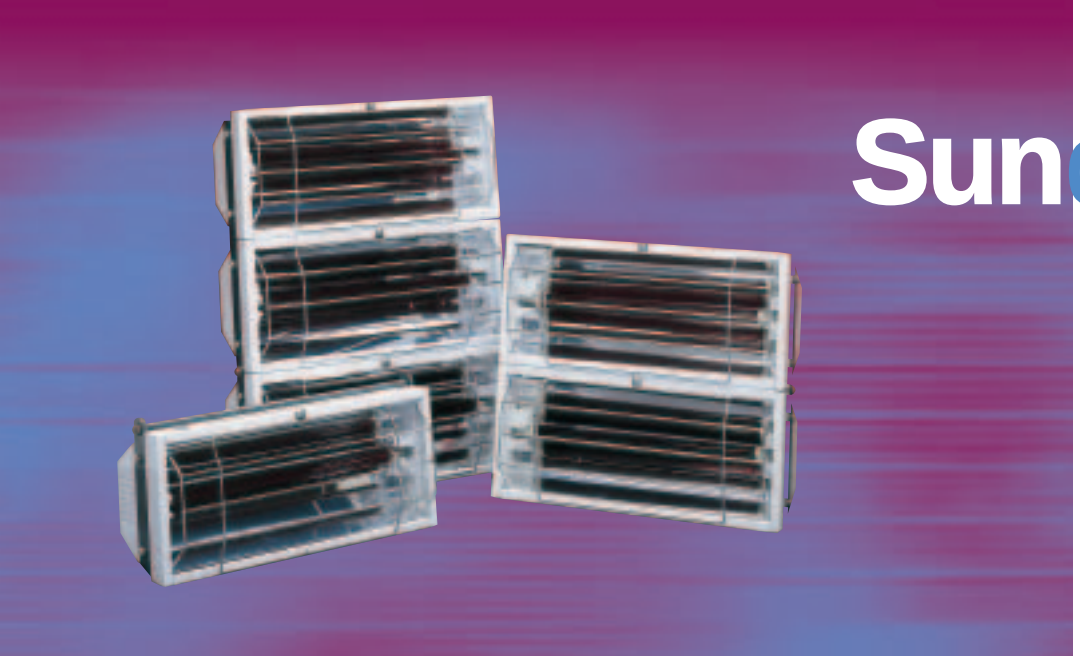
Heating index	3kW			2kW		
	H	L	W	H	L	W
10	4.0	5.24	5.49	3.3	4.11	4.53
12	3.6	4.88	4.94	3.0	3.84	4.12
14	3.2	4.51	4.39	2.7	3.57	3.70
16	3.5	4.33	4.12	2.5	3.38	3.43
18	2.8	4.14	3.84	-	-	-

H = mounting height (determined by on-site requirements), L = length of the heated area, W = width of the heated area

Specification:

Product Reference	Short Code	Catalogue Number	Rating 230-240V	A Height	B Width	C Depth
2kW Sunslim	CSL2	75-771601	2kW	108mm	1215mm	71mm
3kW Sunslim	CSL3	75-771602	3kW	108mm	1671mm	71mm

Sunslim • Element - Metal sheathed throughout • Zinc coated steel body • Chrome plated steel guards • Matt black with bright zinc body • Single end connection • Anodised aluminium reflector • Installation notes: High temperature cable must be used. We recommend the use of a residual current device (RCD)



Sunquartz

Infra-red Heaters

CE

The sensation and welcome of instant heat right where it's needed. Sunquartz short wave infra-red heaters warm people, not the air. Their uses are endless, from warehouses to churches. These efficient sun-like heaters can penetrate damp air with little waste to the atmosphere.

Key Features:

- Up to 90% efficient at converting electricity into energy.
- Instant visible heat at switch on.
- Penetrates damp air with minimum atmospheric heat loss.
- Absolutely silent in operation.
- Long range heat projection.
- Modular design blends with all environments.
- Lightweight and silent.
- Fitted with wire guard for safety.

Installation:

Use the following procedure when planning a SunQuartz heating installation for buildings having a floor area of up to 500m².

- Make a scaled plan of the area to be heated, noting possible mounting heights and positions.
- Determine the overall heating requirements.

$$\frac{WxYxK}{1000} = \text{Total kW loading}$$

Key:

W = length to be heated in metres
Y = Width to be heated in metres
K = Intensity watts per m², determined from Heating Index Table 1

- Determine the number of SunQuartz heaters by dividing the kW rating of the selected units into the total kW loading from stage 2.

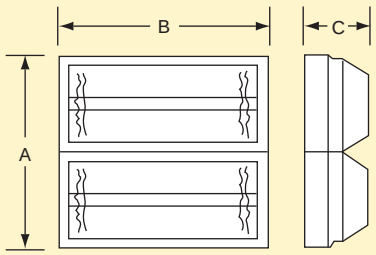
Sunquartz - Heating Index (K)	Recommended Applications:
130 - 170	**Shops, Meeting halls, Recreation rooms, Clubs**
150 - 170	**Offices, Canteens, Waiting rooms, Entrance halls**
150 - 200	**Workshops, Garages, Public buildings**
180 - 220	**Warehouses, Loading bays, Hangars**
220 - 240	**Churches**

Specification:

Product Reference	Short Code	Catalogue Number	Rating	Number Of Lamps	Spare Tube Number
1.5kW 1 lamp	CSQ 1.5	75-771801	1.5 kW	1	85-821421
2.0kW 1 lamp	CSQ 2.0	75-771802	2.0 kW	1	85-822171
3.0kW 2 lamp	CSQ 3.0	75-771803	3.0 kW	2	85-821421
4.0kW 2 lamp	CSQ 4.0	75-771804	4.0 kW	2	85-822171
4.5kW 3 lamp	CSQ 4.5	75-771806	4.5 kW	3	85-821421
6.0kW 3 lamp	CSQ 6.0	75-771807	6.0 kW	3	85-822171

Dimensions:

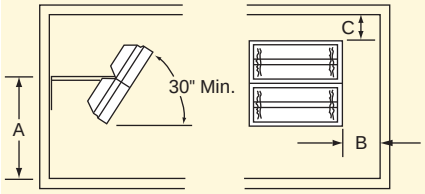
SUNQUARTZ



Model	Dimensions mm			Min Mounting Distances		
	A Height	B Width	C Depth	A mm	B mm	C mm
Sunquartz 1.5kW	185	390	115	1800	300	300
Sunquartz 2.0kW	185	390	115	2500	300	300
Sunquartz 3.0kW	340	390	115	3000	500	500
Sunquartz 3.0kW 3 lamp	510	390	115	3000	500	500
Sunquartz 4.0kW	340	390	115	3000	500	500
Sunquartz 4.5kW	510	390	115	3000	500	500
Sunquartz 6.0kW	510	390	115	4000	500	500

Installation:

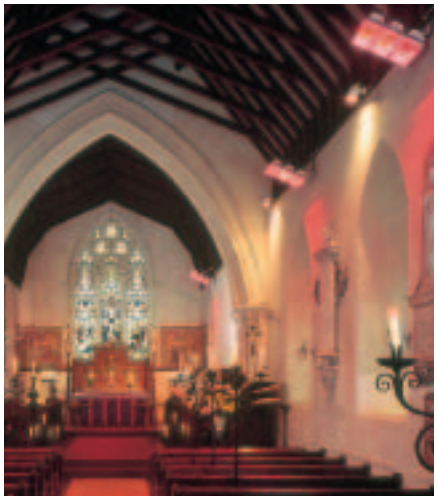
SUNQUARTZ



- High temperature cable must be used.
- Miniature circuit breakers (type 3) must be used.
- The heaters must never be rotated to face a wall, ceiling or floor.
- Units may be installed from the ceiling but MUST be mounted at an angle.
- Maximum benefit is gained from receiving heat from both sides.
- Prior to installation check that no hazardous vapours will be present in the immediate atmosphere.

Specification:

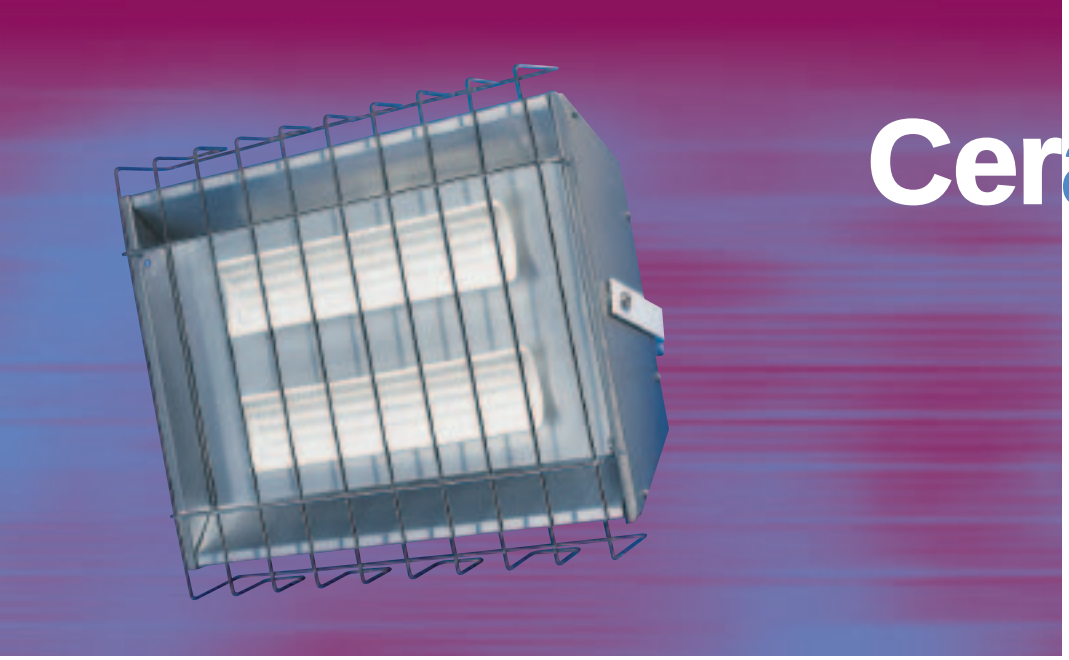
- **Heaters**
  Tungsten halogen lamps, 240/230 volt rating, with ruby red quartz outer sleeve.
- **Reflectors**
  Bright rolled, specular 99.8% aluminium, electro-chemically brightened.
- **Case**
  Electro zinc coated steel.
- **End Castings**
  High pressure die cast aluminium.
- **Finish**
  Epoxy polyester powder paint.
- **Colour**
  Case: BS4800 00A13 White side bars and brackets: BS4800 0013 Grey.
- **Connection**
  Rear connection to terminal block via cable clamp.
- **Voltage**
  The 1 and 2 lamp units are suitable for a 230-240V single phase supply only. The 3 lamp units are supplied wired for 230-240V single phase supply, but can be connected to a 380-415 volt three-phase supply.



Automatic Controller:

This automatic controller, which senses movement by passive infra-red techniques, will automatically switch on the SunQuartz whenever movement is detected within its range. The heater will remain switched on for a preset time after the last movement is detected and then will switch off automatically.

The unit is suitable for 220V/240V single phase operation and will switch 500W-6000W of heaters. Soft start circuitry is incorporated to reduce the inrush current allowing cables and fusegear to be rated as for resistive loads and extending lamp life. The unit is wall mounted and its passive infra-red sensor must face the same directional plane as the heater. The P.I.R. range is adjustable and a temperature hold off facility will inhibit operation when ambient temperatures exceed a value selected between 10° and 20°C.



Ceramic

Long Wave Infra-red Heaters

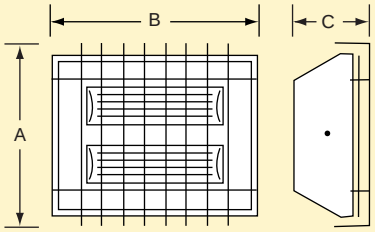
Long wave infra-red heaters offer highly efficient, silent, glare free space heating. These heaters incorporate dual ceramic emitters to rapidly convert electrical energy into heat energy without producing light. With no moving parts these heaters are virtually maintenance-free.

Key Features:

- Durable ceramic emitters which rapidly convert electrical energy into heat energy.
- Available in 2, 3 and 4.5kW versions.
- No fans or moving components so no dust contamination to the environment.
- Low maintenance.
- Good vibration resistance.
- Fitted with guards for personal protection.
- Robust fitting brackets.

Dimensions:

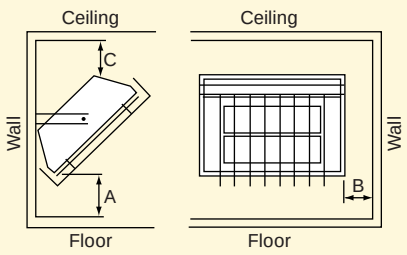
CERAMIC



Model	2/3kW	4.5kW
A Height	340mm	440mm
B Width	376mm	376mm
C Depth	140mm	140mm

Installation:

CERAMIC



For mounting dimensions please refer to the specification table opposite.

Area of Coverage at Minimum Mounting Height

Heating index	Applications	2kW	3kW	4.5kW
130-150W/m²	Shops, Meeting Halls	7.2m²	12.0m²	18.8m²
150-170W/m²	Offices, Canteens	6.8m²	11.3m²	17.7m²
170-200W/m²	Workshops, Garages	6.0m²	10.0m²	15.7m²
220-240W/m²	Churches	4.7m²	7.8m²	12.3m²

Specification:

Product Reference	Short Code	Catalogue Number	Rating	Mounting Dimension A	Mounting Dimension B	Mounting Dimension C
2 kW Ceramic	CCR2	75-771701	2 kW	1800	300	200
3 kW Ceramic	CCR3	75-771702	3 kW	2500	300	300
4.5 kW Ceramic	CCR45	75-771703	4.5 kW	3000	500	500

Convector Heaters

PC2
PC2F
PC2FT

BEAB Approved CE

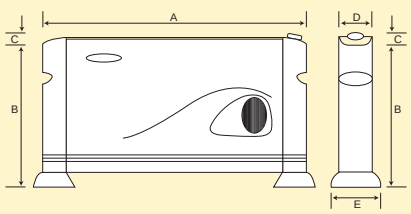
Thermostatically controlled, these new 2kW heaters have been designed to provide a low cost solution for rapid response localised heating. Currently available in three models, you can choose from a standard heater, a fan assisted model or fan assisted with a timer.

Key Features:

- Thermostatic control for precise temperature regulation
- Dual heat setting at 750W or 2000W
- PCF and PCFT models have fan mode for faster heat distribution
- PCFT model has integral timer for multi-time on/off operation

Dimensions:

CONVECTOR



A	670mm
B	418mm
C	15mm
D	100mm
E	170mm

Specification:

Product Reference	Catalogue Number	Rating	Features
PC2	75-770301	2kW	-
PC2F	75-770302	2kW	Fan
PC2FT	75-770303	2kW	Fan & Timer

Plinth Heaters

BEAB Approved CE

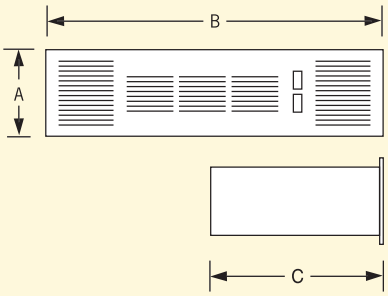
Creda plinth heaters sit neatly at the base of kitchen furniture, providing neat, unobtrusive heating on demand.

Key Features:

- Two models available - one with remote thermostat control and the other with integral controls.
- Maximum 2kW heat output on all models.
- 1kW and 2kW settings.
- Fits flush within all standard plinths of 120mm and deeper.
- Automatic thermal cut-out for safety.
- Pilot light to indicate 'on'.
- Available in brown or white.

Dimensions:

PLINTH HEATERS



A Overall Height	120mm
Aperture Height	95mm
B Overall Width	470mm
Aperture Width	440mm
C Depth	240mm

Specification:

Product Reference	Catalogue Number	Colour	Rating
Plinth heater with remote controls	87105	Brown	2.0kW
Plinth heater with remote controls	87106	White	2.0kW
Plinth heater with integral controls	87417	Brown	2.0kW
Plinth heater with integral controls	87418	White	2.0kW

- Control - Pilot light indicates heat setting chosen
- Safety - Fitted with automatic thermal cut-out
- Supply - 230/240V AC single phase

Product Reference	Catalogue Number	Rating
Thermostatic Control Kit ~ for use with 87105/6	87100	2.0kW

- Includes - Eberle single stage variable thermostat
  Volex fused double pole switch
  2 gang box, cable wall damp
- Supply - 230/240V

Compact Downflow Heaters

BEAB Approved CE

Powerful 2.0kW heat output with automatic step-down thermostat cutting output to 1.0kW for economic temperature control. Ideal for bathroom, shower, kitchen, garage and conservatory locations.

75-771002

- Constant 1kW version.
- Operated by pull cord.
- Neon ‘on’ indicator.
- Two integral safety devices - an automatic overheat thermal cut-off and a thermal safety link overheat protector.
- Available in Newera white to co-ordinate with Creda heating range.

75-771001

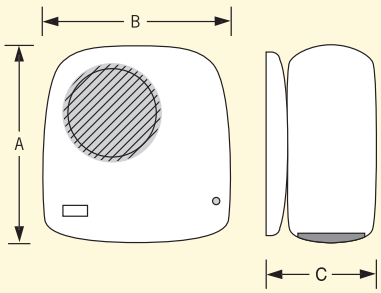
- Powerful 2kW performance.
- Automatic step down to 1kW.
- Operated by pull cord.
- Neon ‘on’ indicator.
- Two integral safety devices - an automatic overheat thermal cut-off and a thermal safety link overheat protector.
- Available in Newera white to co-ordinate with Creda heating range.

75-771003

- Powerful 2kW performance.
- Adjustable thermostat for control of room temperature.
- Operated by pull cord.
- Neon ‘on’ indicator.
- Two integral safety devices - an automatic overheat thermal cut-off and a thermal safety link overheat protector.
- Available in Newera white to co-ordinate with Creda heating range.

Dimensions:

DOWNFLOW HEATERS



A Height	240mm
B Width	235mm
C Depth	135mm

Specification:

Compact Downflow Heater

Product Reference	Catalogue Number	Rating
Compact Downflow Fan Heater - CDF1	75-771002	1.0 kW
Compact Downflow Fan Heater - CDF2	75-771003 (Variable Thermostat)	2.0 kW
Compact Downflow Fan Heater - CDF2T	75-771001 (Pre-set step down)	2.0 kW

• Operation - Pull cord on/off switch with pilot light indication • Control - Pre-set step-down thermostat
• Safety - Automatic overheat safety cut-out and thermal safety link overheat protector • Supply - 230/240V AC single phase

sizingguide

To use these tables, select the type of heater and the appropriate Sizing Guide table. Then read across from the nearest floor area and appropriate external wall length to where the columns intersect.

There are two temperature options given in each table;

1. Comfort - approximately 21°C for living areas.
2. Background - approximately 18°C, typically required in bedrooms.

Choose either comfort or background heating for the suggested heater size.

These tables are based on conventionally constructed single or two storey dwellings within:

- Ceiling heights of 2.5m (8ft).
- Roof insulation of 25mm (1in) thick.
- Brick cavity walls with no insulation.
- An external temperature of -1°C.

Tables for storage and storage fan heaters also assume the use of seven hour economy tariff electricity. Please check your tariff and metering requirements with either your local electricity company or call the Creda Technical Centre on 01782 385779.

Or see the sizing guide on e-specify@www.creda-heating.co.uk.

	Floor Area (m^2)	Temperature Options	Total Length of Outside Wall (m) 1.5m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
storage heaters	Up To 3 (m^2)	Comfort	S/XS	S	S	M	M	M														
		Background	S/XS	S/XS	S	S	S	M														
	Up To 6 (m^2)	Comfort	S	M	M	M	L	L	L	L												
		Background	S	S	S	S	M	M	M	M												
	Up To 9 (m^2)	Comfort	S	M	M	L	L	L	L	MS	SM	2M										
		Background	S	S	M	M	M	M	M	L	L	L										
	Up To 12 (m^2)	Comfort	M	M	L	L	L	MS	MS	MS	2M	2M	2M	LM								
		Background	S	M	M	M	M	L	L	L	L	MS	MS	MS								
	Up To 15 (m^2)	Comfort	L	L	L	L	MS	MS	2M	2M	2M	LM	LM	2L	2L							
		Background	M	M	M	M	L	L	L	MS	MS	MS	2M	2M	LM							
	Up To 18 (m^2)	Comfort	L	L	L	MS	MS	2M	2M	2M	LM	LM	2L	2L	2L	3M	3M					
		Background	M	M	M	L	L	L	MS	MS	MS	MS	2M	2M	2M	2M	LM					
	Up To 21 (m^2)	Comfort	L	L	MS	MS	2M	2M	2M	LM	LM	2L	2L	2L	3M	3M	3M	2L+S				
		Background	M	M	L	L	L	MS	MS	MS	MS	2M	2M	2M	2M	LM	LM	LM				
	Up To 24 (m^2)	Comfort	L	MS	MS	2M	2M	2M	LM	LM	2L	2L	2L	3M	3M	3M	2L+S	2L+S	2L+S			
		Background	M	L	L	L	MS	MS	MS	MS	2M	2M	2M	LM	LM	ML	2L	2L	2L			
	Up To 27 (m^2)	Comfort	MS	MS	2M	2M	2M	LM	LM	2L	2L	2L	2L	3M	3M	3M	2L+S	2L+S	2L+M	2L+M		
		Background	L	L	L	MS	MS	MS	MS	2M	2M	2M	LM	LM	LM	2L	2L	2L	2L	2L		
	Up To 30 (m^2)	Comfort	2M	2M	2M	LM	LM	2L	2L	2L	2L	2L+S	2L+S	2L+S	2L+S	2L+M	2L+M	2L+M	2L+M	3L	3L	3L
		Background	L	L	MS	MS	MS	2M	2M	2M	2M	2M	LM	LM	2L	2L	2L	2L	2L	3M	3M	3M
storage fan heaters	Up To 3 (m^2)	Comfort	18	18	18	18	18	18														
		Background	18	18	18	18	18	18														
	Up To 6 (m^2)	Comfort	18	18	18	18	24	24	24	24												
		Background	18	18	18	18	18	18	18	18												
	Up To 9 (m^2)	Comfort	18	18	18	24	24	24	24	18+S	18+S	18+S										
		Background	18	18	18	18	18	18	18	24	24	24										
	Up To 12 (m^2)	Comfort	18	18	24	24	24	18+S	18+S	18+S	18+M	18+M	18+M	18+M								
		Background	18	18	18	18	18	24	24	24	24	18+S	18+S	18+S								
	Up To 15 (m^2)	Comfort	24	24	24	24	18+S	18+S	18+S	18+S	18+M	24+M	24+M	24+M	24+L							
		Background	18	18	18	18	24	24	24	24	18+S	18+S	18+S	18+M	18+M							
	Up To 18 (m^2)	Comfort	24	24	24	18+S	18+S	18+S	18+M	18+M	24+M	24+M	24+L	24+L	24+L	24+L	24+L					
		Background	18	18	18	24	24	24	24	18+S	18+S	18+S	18+M	18+M	18+M	18+M	24+M					
	Up To 21 (m^2)	Comfort	24	24	18+S	18+S	18+S	18+S	18+M	18+M	18+M	24+M	24+M	24+L	24+L	24+L	18+2M	18+2M				
		Background	18	18	24	24	24	24	18+S	18+S	18+S	18+M	18+M	18+M	24+M	24+M	24+M	24+M				
	Up To 24 (m^2)	Comfort	24	24	18+S	18+S	18+S	18+M	18+M	24+M	24+M	24+L	24+L	24+L	18+2M	18+2M	24+2M	24+2M	24+2M			
		Background	18	24	24	24	24	18+S	18+S	18+S	18+M	18+M	18+M	24+M	24+M	24+M	24+L	24+L	24+L			
	Up To 27 (m^2)	Comfort	18+S	18+S	18+S	18+M	18+M	18+M	24+M	24+M	24+L	24+L	24+L	18+2M	18+2M	18+2M	18+2M	24+2M	24+2M			
		Background	24	24	24	24	18+S	18+S	18+S	18+M	18+M	18+M	24+M	24+M	24+M	24+L	24+L	24+L	24+L	24+L		
	Up To 30 (m^2)	Comfort	18+M	18+M	18+M	24+M	24+M	24+L	24+L	24+L	24+L	18+2M	18+2M	18+2M	18+2M	18+2M	24+2M	24+2M	24+2M	24+2L	24+2L	24+2L
		Background	24	24	24	18+S	18+S	18+M	18+M	18+M	18+M	18+M	24+M	24+M	24+L	24+L	24+L	24+L	24+L	18+2M	18+2M	18+2M
panel heaters	Up To 3 (m^2)	Comfort	600	600	1000	1000	1250	1250														
		Background	600	600	600	1000	1000	1000														
	Up To 6 (m^2)	Comfort	600	1000	1000	1250	1250	1500	1500	2000												
		Background	600	600	1000	1000	1000	1250	1250	1500												
	Up To 9 (m^2)	Comfort	1000	1000	1250	1250	1500	1500	2000	2000	2000	2250										
		Background	1000	1000	1000	1250	1250	1250	1500	1500	2000	2000										
	Up To 12 (m^2)	Comfort	1250	1250	1250	1500	1500	2000	2000	2000	2250	2500	2500	2500								
		Background	1000	1000	1250	1250	1250	1500	1500	1500	2000	2000	2000	2000								
	Up To 15 (m^2)	Comfort	1250	1250	1500	1500	2000	2000	2250	2250	2500	2500	2750	3000	3000							
		Background	1000	1250	1250	1500	1500	1500	2000	2000	2000	2250	2500	2500	2500							
	Up To 18 (m^2)	Comfort	1500	1500	2000	2000	2000	2250	2500	2500	2500	2750	3000	3000	3250	3500	3500					
		Background	1250	1250	1250	1500	1500	1500	2000	2000	2250	2250	2500	2500	2500	2500	2750					
	Up To 21 (m^2)	Comfort	1500	2000	2000	2000	2250	2250	2500	2500	2750	3000	3000	3250	3500	3500	4000	4000				
		Background	1250	1500	1500	1500	2000	2000	2000	2000	2250	2250	2500	2500	2750	2750	3000	3000				
	Up To 24 (m^2)	Comfort	2000	2000	2000	2250	2500	2500	2750	2750	3000	3000	3250	3500	3500	4000	4000	4000	4000			
		Background	1500	1500	2000	2000	2000	2000	2250	2250	2500	2500	2500	2750	2750	3000	3000	3250	3250			
	Up To 27 (m^2)	Comfort	2000	2000	2250	2500	2500	2750	3000	3000	3250	3500	3500	4000	4000	4000	4100	4400	4400	4750		
		Background	1500	1500	2000	2000	2000	2000	2250	2500	2500	2500	2750	2750	3000	3000	3250	3250	3500	3500		
	Up To 30 (m^2)	Comfort	2250	2500	2500	2500	2750	3000	3000	3250	3250	3500	3500	4000	4000	4000	4100	4400	4400	4750	4750	5000
		Background	2000	2000	2000	2000	2000	2250	2500	2500	2500	2750	2750	3000	3000	3250	3250	3500	3500	4000	4000	4000

Extra Small (XS) = TSR6 = 0.9kW Small (S) = TSR12 = 1.7kW Medium (M) = TSR18 = 2.5kW Large (L) = TSR24 = 3.4kW

total service solutions

Technical Services

Our Technical Services Call Centre is staffed by a team trained in diagnosing and rectifying potential concerns over the phone, whether or not the product you have purchased is in guarantee. If for any reason they are unable to solve the problem by phone, they will brief an engineer, prior to the visit, to ensure that wherever possible, the problem is fixed first time. The team also provide advice on application, installation and operation, ensuring that the customer receives the full benefit from purchasing a Creda product.
For further information
Tel: 08709 000430
Fax: 08709 000530

When buying Creda products, you already know that they will be of the highest quality and will provide many years of trouble-free operation.

However, for peace of mind, Creda's after sales service is second to none. Products are covered by a full parts and labour guarantee for 1 year from the date of purchase, so should the product become faulty within the guarantee period, it will be replaced with a new product or repaired by our service engineers, totally free of charge.

Sales Hotline: 08709 000420
Sales Fax: 08709 000520
www.creda-heating.co.uk

spares

Regular maintenance and servicing of Creda products is recommended to ensure the longevity of your Creda product. From time to time it may be necessary to replace components to extend the life of the product.

Creda provide a wide range of spare parts covering current and previous products, making maintenance simple and effective.
For further details
Tel: 08700 102829

application design

A free application design service is available to customers wishing to use Creda Heating, Redring or Xpelair products in their building projects. Design work can be carried out from scaled architect's plans (1:100 min), construction and insulation data of the property, ventilation requirements etc. These should be supplied with any request for design work. Applied Energy engineers are experienced and NHER approved for space heating, water heating and ventilation and are able to offer: -

- Consultation to select the optimum design and product specification of the job.
- Calculation of building and room heat losses to CIBSE and other standards, water heating and ventilation requirements.
- Designs that meet both building and health & safety regulations where required.
- Sizing and selection of products to your own or national specification requirements.
- Estimated operating and equipment costs.
- Energy ratings carried out on dwellings based on NHER and SAP.

For further information **Tel: 01782 385779**
Fax: 01782 385893

export

Creda is a great British brand in every sense of the word but for many years it has been a world leader in space heating with sales in over twenty countries world-wide.
Creda has achieved this by taking into consideration global market requirements and ensuring products are developed to meet these needs, as well as developing products for specific countries and regions, taking into consideration approvals, electrical supply and climate. For further details either call your local Creda distributor or

Tel: +44 (0)1733 456 737
Fax: +44 (0)1733 456 727

Xpelair Product Directory

Redring Product Directory

www.creda-heating.co.uk

Creda

UK Sales

Tel: 08709 000420
Fax: 08709 000520

International Sales

Tel: +44 (0)1733 456 737
Fax: +44 (0)1733 456 727

Technical Services

Techline: 08709 000430
Techfax: 08709 000530

Spares

Tel: 08700 102829

Brochure Hotline

Tel: 08709 000540

All calls charged at local rate

INVESTORS IN PEOPLE

BEAB Approved Factory

Registered in England No. 306008 Registered Office: Morley Way, Peterborough PE2 9JJ, England

In view of the APPLIED ENERGY PRODUCTS LIMITED policy of continuous product improvement, the right is reserved to change specification, colour range and prices of the models and items illustrated or described in this publication. You should therefore check current details with your Creda sales representative.

C009 April 2004

Creda Distributor

applied energy

Applied Energy Products Ltd
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Morley Way, Peterborough,
PE2 9JJ, England.

Tel: 01733 456789
Fax: 01733 310606
Web: www.applied-energy.com